

THE LEPIDOPTERA OF PORTUGAL

BY ALBERT ZERKOWITZ

(Continued from Vol. LIV, No. 2, p. 87)

HEPIALIDÆ

1. *Hepialus lupulinus* L.—Euroriental.—M: Gerez. May.

MICROPTERYGIDÆ

2. *Micropteryx mansuetella* Z.—European.—BB: Ceia. June.
 3. *Micropteryx aureatella* Sc.—European.—BB: Quinta do Barão. April. On young oak trees.—E: Torres Vedras. April. On an oak tree.

ERIOCRANIIDÆ

4. *Eriocrania subpurpurella* Hw.—European.—BB: S. Fiel.

INCURVARIIDÆ

5. *Meessia vinculella* H.S.—European.—E: Torres Vedras. July. Identified by de Joannis.
 6. *Meessia pachyceras* Wlsglm.—European.—BB: S. Fiel. April.
 7. *Crinopteryx familiella* Peyer.—Western Mediterranean.—BB: Senhora da Orada, Serra da Guardunha, Sobral do Campo. September–October.—Larva, November–March. Foodplants: *Cistus ledon* Lam., *Cistus ladaniferus* L., and *Helianthemum* sp.
 8. *Eriocottis andalusiella* Stgr.—Iberian.—Reported from Portugal only by Seebold, without exact locality. March.
 9. *Nemotois latreillellus* F.—Mediterranean.—E: Setubal. May–June. Common. Torres Vedras. June.—Alg: São Marcos. May.
 10. *Adelia croesella* Sc.—Euroriental.—M: Gerez.

NEPTICULIDÆ

11. *Nepticula ilicivora* Peyer.—Western Mediterranean.—BB: S. Fiel. May. Larva, January–February. Foodplant: *Quercus ilex* L.

12. *Nepticula pygmælla* Hw.—Atlantic.—E: Torres Vedras. End of January. Larva abundant in December. Foodplant: *Cratægus* sp.

13. *Nepticula atricapitella* Hw.—European.—BB: S. Fiel. May. Foodplant: *Quercus ilex* L.

14. *Nepticula ruficapitella* Hw.—European.—BB: S. Fiel. Second half of April. Larva in November. Foodplants: *Quercus toza* Bosc., *Quercus pedunculata* Ehrh.

15. *Nepticula samiatella* H.S.—European.—BB: S. Fiel. May. Larva in November. Foodplant: *Castanea vulgaris* Lam.

16. *Nepticula basiguttella* Hein.—European.—BB: S. Fiel. May. Larva, end of October–November. Foodplants: *Quercus toza* Bosc., *Quercus pedunculata* Ehrh.

17. *Nepticula viscerella* Stt.—Atlantic.—BB: S. Fiel.

18. *Nepticula auromalella* Goeze.—European.—E: Torres Vedras. January–February. Larva in December. Foodplant: *Rosa* sp. Very abundant.

19. *Nepticula suberivora* Stt.—Western Mediterranean.—BB: S. Fiel. End of March–early April. Larva, first half of January. Foodplant: *Quercus suber* L.

20. *Nepticula fragariella* Heyd.—European.—BB: Castelo Novo. April.

21. *Nepticula aurella* Stt.—European.—BB: S. Fiel. February.—E: Torres Vedras. March. Larva in December–January. Foodplant: *Rubus* sp.

22. *Nepticula ulmivora* Fologne.—Atlantic.—E. Torres Vedras. April–May. Larva very abundant in November. Foodplant: *Ulmus campestris* Sm.

23. *Nepticula alnetella* Stt.—Atlantic.—BB: S. Fiel. May. Larva in November. Foodplant: *Alnus glutinosa* Gärtn.

24. *Nepticula rubescens* Hein.—Atlantic.—BB: S. Fiel. Foodplant: *Alnus glutinosa* Gärtn.

25. *Nepticula plagicolella* Stt.—European.—BB: Quinta dos Fornos. May. Larva in November. Foodplant: *Prunus spinosa* L.

26. *Nepticula salicis* Stt.—Atlantic.—BB: Ribeira da Ocreza. May. Larva in October–November. Foodplants: *Salix fragilis* L., *Salix cinerea* L., *Salix aurita* L.

27. *Nepticula suberis* Stt.—Western Mediterranean.—BB: S. Fiel. End of April–May.—E: Torres Vedras. April.—Ale: Aldeia do Neuves. May. Larva first half of January–February. Foodplants: *Quercus suber* L., *Quercus coccifera* L., *Quercus ilex* L.

28. *Nepticula ilicis* Mendes (1910, Brotéria, 9, p. 164–165, pl. 7, fig. 8).—Endemic.—BB: S. Fiel (type locality). May. Larva very abundant in January. Foodplants: *Quercus ilex* L., *Quercus suber* L.

29. *Nepticula viridella* Mendes (1910, Brotéria, 9, p. 165–166, pl. 7, fig. 9).—Endemic.—BB: S. Fiel (type locality). August–early September.—E: Torres Vedras (type locality). August–early September. Larva in January. Foodplants: *Quercus suber* L., *Quercus ilex* L., *Quercus coccifera* L.

30. *Nepticula septembrella* Stt.—European.—BB: S. Fiel. May, November. Larva in November. Foodplant: *Hypericum undulatum* Schousb.

31. *Nepticula subbimaculella* Hw.—European.—BB: Monte de S. José. May. Foodplant: *Quercus toza* Bosc.

32. *Nepticula cistivora* Peyer.—Western Mediterranean.—E: Val de Rosal. September. Larva abundant from end of January to early February. Foodplants: generally *Cistus ladaniferus* L., rarely *Cistus ledon* Lam.

33. *Nepticula erythrogenella* Joan. (1907, Bulletin Soc. Entom. de France, p. 327; 1908, Annales Soc. Entom. de France, 77, p. 823, fig. 1, 2, pl. 15, fig. 12).—Type locality: Vannes, France.—Western Mediterranean.—BB: Soalheira. June. Larva early January. Foodplant: *Rubus* sp.

34. *Nepticula ladaniphila* Mendes (1910, Brotéria, Série zoológica, 9, p. 102–103, fig. 25, pl. 6, fig. 9).—Endemic.—BB: S. Fiel. June.—E: Near Lisbon. June. Val de Rosal. Larva in February–March (1913, Brotéria, Série zoológica, 11, p. 28, pl. 3, fig. 4) Foodplant: *Cistus ladaniferus* L. Pupation middle of March.

— *Nepticula* sp.?—BB: Matta do Fundão. September. Larva end of August–early September. Foodplant: *Rosa canina*.—This species is recorded by Mendes and has apparently not been named.

35. *Trifurcula pallidella* Z.—Euroriental.—BB: Soalheira. April.

36. *Opostega crepusculella* Z.—Euroriental.—E: Setúbal. March.—Alg: Monchique, 1200 feet. May.

TINEIDÆ

37. *Melasina lugubris* Hbn. (= *ciliaris* O.).—Euroriental.—BB: Serra da Estrêla. August.—Grown up larva middle of July.

38. *Dysmasia petrinella* H.S.—Iberian.—E: Torres Vedras. July.

39. *Dysmasia parietariella* H.S.—Euroriental.—BB: S. Fiel. May. Common.

40. *Trichophaga tapetiella* L.—Holarctic.—BB: S. Fiel.

41. *Trichophaga abruptella* Woll.—Western Mediterranean?—BB: S. Fiel. June.—E: Torres Vedras. March. July.

— *Tinea corticella* Curt?—European.—E: Lisboa. November.

42. *Tinea quercicolella* H.S.—Euroriental.—BB: Soalheira.—E: Torres Vedras. July.

43. *Tinea granella* L.—Holarctic.—E: Val de Rosal. April.

44. *Tinea cloacella* Hw.—Holarctic.—E: Setúbal. Common in the interior of houses.—f. *ruricolella* Stgr. June. Listed only by Seebold, without exact locality.

45. *Tinea nigripunctella* Hw.—European.—BB: S. Fiel.

46. *Tinea fuscipunctella* Hw.—Holarctic.—BB: S. Fiel.—E: Lisboa. March–April. Setúbal. April. Torres Vedras. June–July.—Ale: Almondóvar. May.

47. *Tinea pellionella* L.—Holarctic.—BB: Ceia. June. S. Fiel. June. Very common.—E: Setúbal. September–October. Torres Vedras. May, July. Larva, August–May on woolens, furs, etc.

48. *Tinea inquinatella* Z.—European.—E: Torres Vedras. July.

49. *Tinea chrysopterella* H.S.—Mediterranean.—BB: Quinta dos Fornos. July.—Alg: Silves. May.

50. *Tineola crassicornella* Z.—Mediterranean.—BB: S. Fiel, Soalheira. June.—E: Setúbal. August. Torres Vedras. May, July.—Alg: Silves. May.

51. *Tineola biselliella* Hummel.—Holarctic.—BB: S. Fiel. April, June. Very common in houses.—E: Lisboa. May. Setú-

bal. August.—In Lisboa I found also in March a form with a blackish spot on the upperside of the forewings, near the disc.—Larva until May on woolens, furs and feathers.

MONOPIDÆ

52. *Blabophanes imella* Hbn.—Euroriental.—E: Olivaes. April.

53. *Blabophanes nigricantella* Mill.—Western Mediterranean.—BB: Covilhã. August. S. Fiel. April.

54. *Blabophanes ferruginella* Hbn.—Euroriental.—E: Setúbal. April, August.

TALÆPORIIDÆ

55. *Dissoctena granigerella* Stgr.—Iberian.—BB: Serra da Guardunha. August, September.

56. *Bankesia staintoni* Wlsglm.—Atlantic.—E: Torres Vedras. March.

PSYCHIDÆ

57. *Amicta febretta* Boyer (*vetulella* Rbr.)—Mediterranean.—BB: Casal da Serra, S. Vicente, Serra da Estrêla. Larva in April. Foodplant: *Sarothamnus patens* Webb. Serra da Guardunha. Larva in June–July. Foodplant: *Cytisus albus* Lk.

58. *Hyalina albida* Esp.—Western Mediterranean.—M: Gerez. Common by day.—f. *lorquiniella* Brd.—BB: N. Senhora da Orada. Larva in April. Foodplant: *Genista tridentata*. S. Fiel. Larva in May. Foodplant: *Ulex europæus*. Serra da Guardunha. Foodplant: *Cytisus albus* Lk.

59. *Oreopsyche leschenaulti* Stgr.—Iberian.—BB: Serra da Guardunha. March.

60. *Oreopsyche muscella* F.—Euroriental.—BB: Serra da Guardunha. March.

61. *Oreopsyche plumifera* O.—Euroriental.—BB: Serra da Guardunha. March.

62. *Phalacropteryx calberla* Heyl.—Mediterranean.—BB: Serra da Estrêla. Larva in April and August. Foodplants: *Erica aragonensis*, *Erica arborea* and *Juniperus nana*. Serra da Guardunha. Larva in April and August. Foodplants: *Erica aragonensis* and *Erica arborea*. The larva apparently hibernates.

63. *Apterona crenulella* Brd.—Mediterranean.—M: Guimarães.—BB: S. Fiel. May–June. Larva in June. Foodplants: *Cytisus albus* Lk., *Cistus ledon* Lam., and *Helianthemum milleri*. Chrysalid in July in BL: Lousã, on trunks and twigs.

64. *Epichnopteryx pulla* Esp.—Europacific.—E: Sintra. April. Rare. Torres Vedras. March.

65. *Luffia lapidella* Goeze.—Mediterranean.—E: Torres Vedras. July.

TISCHERIIDÆ

66. *Tischeria complanella* Hbn.—Euroriental.—BB: S. Fiel. April–May; August–September.—E: Torres Vedras. June. Foodplants: *Quercus toza* Bosc., *Quercus pedunculata* Ehrh., and *Quercus lusitanica* Lam., in July–August; October–April.—*Castanea vulgaris* Lam., in October–March.—*Quercus suber* L., February–April.

67. *Tischeria marginea* Hw.—European.—BB: S. Fiel. April–May. Foodplant: *Rubus* sp.

CEMIOSTOMIDÆ

68. *Cemiostoma spartifoliella* Hbn.—European.—BB: S. Fiel. May–June. Foodplant: *Sarothamnus patens* Webb.

69. *Cemiostoma scitella* Z.—Euroriental.—E: Torres Vedras. End of July. Larva abundant early July and a second brood in fall. Foodplant: *Pyrus malus* L.

LYONETIIDÆ

70. *Bedellia somnulentella* Z.—Holarctic.—BB: S. Fiel. May.

71. *Bucculatrix cratægi* Z.—European.—E: Torres Vedras. March.

72. *Bucculatrix myricæ* Rag.—Western Mediterranean.—BB: Matta do Fundão.—Pupa end of July on *Polystichum filixmas*. Rht.

73. *Bucculatrix helichrysellæ* Const.—Western Mediterranean.—BB: Senhora da Orada. May. Larva in April. Foodplant: *Helichrysum stæchas* D.C.

74. *Phyllobrostis daphneella* Stgr.—Western Mediterranean.—BB: S. Fiel. April. Larva in March. Foodplant: *Daphne gnidium* L.

75. *Lyonetia clerkella* L.—European.—BB: S. Fiel. May.—E: Torres Vedras. June–July.—Larva in March–April and during fall. Foodplants: *Crataegus monogyna* Jacq., *Pyrus malus* L., and *Prunus cerasus* L.

GRACILARIIDÆ

76. *Gracilaria alchimiella* Sc.—Euroriental.—BB: Matta do Fundão. Early May.

77. *Gracilaria falconipennella* Hbn.—European.—M: Guimarães. August.—BB: Ribeira da Ocreza. November.—Larva in October. Foodplant: *Alnus glutinosa* Gärttn.

78. *Gracilaria stigmatella* F.—Mediterranean?—BB: S. Fiel.

79. *Aspilapteryx tringipennella* Z.—Euroriental.—BB: S. Fiel.

80. *Xanthospilapteryx phasianipennella* Hbn. and f. *quadruplella* Hbn.—European.—BB: Quinta do Barão. November.

81. *Xanthospilapteryx auroguttella* Stph.—Euroriental.—BB: S. Fiel. March; November. Larva in October. Foodplant: *Hypericum undulatum* Schousb.

82. *Micrurapteryx kollariella* Z.—Euroriental.—BB: Covilhã. September. Chrysalid on *Sarothamnus grandiflorus* Webb.

83. *Eutrichocnemis scalarrella* Z.—Mediterranean.—BB: S. Fiel. February–March; July; November.—E: Torres Vedras. Frequent.—Apparently two broods: larva of the first brood April–July; larva of the second brood September–March. The imago of the second brood emerges in November, or this brood hibernates as pupa in which case the imago emerges in February–March. Nevertheless the two broods cannot be separated very strictly because in January on the same plant larvæ and pupæ were found. Foodplants: *Echium lusitanicum* Brot., and *Echium plantagineum* L.

84. *Coriscium brogniardellum* F.—Euroriental.—BB: Soalheira. May.—E: Torres Vedras. March; July; November. Very common. From larvæ captured October 6, the imagines emerged November 20.—Foodplant: *Quercus coccifera* L.

85. *Coriscium sulphurellum* Hw.—European.—BB: Matta do Fundão. July. Soalheira. June.

86. *Ornix angelicella* Stt.—Europacific.—BB: S. Fiel. Foodplant: *Crataegus monogyna* Jacq.

87. *Lithocolletis roboris* Z.—Euroriental.—BB: Castelo Novo, Monte de S. José, Quinta dos Carvalhos, S. Fiel. March–April; August–September. Foodplants: *Quercus pedunculata* Ehrh. and *Quercus toza* Bosc.

88. *Lithocolletis hortella* F.—Euroriental.—BB: Soalheira. May.—Foodplant: *Quercus toza* Bosc.

89. *Lithocolletis alnivorella* Rag.—Western Mediterranean.—BB: S. Fiel. Late March–early April; May–June. The larva of the first brood pupates in May–June, the larva of the second brood pupates in September–October, hibernates as pupa and emerges in March–April. Foodplant: *Alnus glutinosa* Gärtn.

90. *Lithocolletis salictella* Z.—European.—BB: S. Fiel. March–April. Larva in October–November. Foodplants: *Salix cinerea* L., and *Salix aurita* L.

91. *Lithocolletis cydoniella* F.—European.—BB: S. Fiel. March. November. Apparently only one brood: a few specimens emerge in November, but most of them hibernate as pupa and emerge in March. Larva in October, November. Foodplant: *Cydonia vulgaris* Pers.

92. *Lithocolletis cerasicolella* H.S.—European.—BB: S. Fiel. April, November. Only one brood. Larva in October–November. Foodplants: *Prunus cerasus* L., *Persica vulgaris* D.C., *Prunus armeniaca* L., and *Prunus insititia* L.

93. *Lithocolletis spinicolella* Z.—European.—BB: S. Fiel. March–April. Larva in October–November. Foodplant: *Prunus insititia* L.

94. *Lithocolletis concomitella* Bnks.—European.—E: Torres Vedras. March. Foodplant: *Pyrus malus* L.

95. *Lithocolletis blancardella* F.—European.—BB: S. Fiel. March, April.—E: Torres Vedras. July.—Larva in October–November. Foodplants: *Pyrus malus* L. and *Pyrus communis* L.

96. *Lithocolletis oxyacanthæ* Frey.—European.—BB: S. Fiel. March, October. Only one brood. Larva in September–October. Foodplant: *Crataegus monogyna* Jacq.

97. *Lithocolletis distentella* Z.—European.—BB: Quinta dos Carvalhos, Soalheira. May; August–September.—Foodplant: *Quercus toza* Bosc.

98. *Lithocolletis ilicifoliella* Z.—European.—E: Val de Rosal.—Foodplant: *Quercus lusitanica* Lam.

99. *Lithocolletis endryella* Mn.—Western Mediterranean.—BB: Sobral do Campo. First half of April.—Foodplant: *Quercus ilex* L.

100. *Lithocolletis ioviella* Const.—Western Mediterranean.—BB: Sobral do Campo.—E: Torres Vedras. End of March. Val de Rosal. April. Larva in December–March. Foodplants: *Quercus coccifera* L., and *Quercus ilex* L.

101. *Lithocolletis cocciferella* Mendes (1910, Brotéria, Série zoológica, 9, p. 164, pl. 7, fig. 4).—Endemic.—E: Torres Vedras (type locality). April; July.—Foodplant: *Quercus coccifera* L.

102. *Lithocolletis belotella* Stgr.—Mediterranean.—E: Torres Vedras. March; May. Common. Larva in October–April. Foodplant: *Quercus lusitanica* Lam.

103. *Lithocolletis scitulella* Z.—European.—Quoted only by Seebold from Portugal, without exact locality. June.

104. *Lithocolletis rebimbasi* Mendes (1910, Brotéria, Série zoológica, 9, p. 163, pl. 7, fig. 5).—Endemic.—E: Torres Vedras (type locality). June. Foodplant: *Quercus coccifera* L.

105. *Lithocolletis quercifoliella* Z.—Eurooriental.—E: Torres Vedras. April. Foodplant: *Quercus* sp.

106. *Lithocolletis messaniella* Z.—Eurooriental.—BB: S. Fiel. End of November, March–April; September–October.—E: Sintra. April. Torres Vedras. Very common.—Larva in August–September; October–November; February–March.—Foodplants: *Castanea vulgaris* Lam., *Quercus suber* L., *Quercus ilex* L., *Quercus coccifera* L. and *Quercus lusitanica* Lam.

107. *Lithocolletis cerasinella* Reutti.—European.—BB: S. Fiel. March–April; October. Larva in February–March; September. Foodplant: *Pterospartum cantabricum* Spach.

108. *Lithocolletis scopariella* Z.—European.—BB: S. Fiel. April. Serra da Guardunha. June.—E: Sintra. April.—Larva in March–early April.—Foodplant: *Sarothamnus patens* Webb.

109. *Lithocolletis viminiella* Stt.—Atlantic.—E: Torres Vedras. July.

110. *Lithocolletis corylifoliella* Hw.—European.—BB: S. Fiel. June, July.—E: Torres Vedras. End of July.—Foodplants: *Pyrus malus* L. and *Pyrus communis* L.

111. *Lithocolletis froehlichella* Z.—European.—BB: Ribeira

da Ocreza. March. Larva in October. Foodplant: *Alnus glutinosa* Gärtn.

112. *Lithocolletis klemannella* F.—Euroriental.—BB: Ribeira da Ocreza. March; August.—Larva in July; October.—Foodplant: *Alnus glutinosa* Gärtn.

113. *Lithocolletis schreberella* F.—Euroriental.—BB: Quinta do Barão.—E: Torres Vedras. March.—Larva in June; November.—Foodplant: *Ulmus campestris* Sm.

114. *Lithocolletis trifasciella* Hw.—Euroriental.—BB: S. Fiel. March, April.—Larva during the winter.—Foodplant: *Lonicera perichlymenum* L.

115. *Lithocolletis adenocarp*i Stgr.—Iberian.—Alg: Monchique 1500'. May.

116. *Lithocolletis parvifoliella* Rag.—Western Mediterranean.—BL: Lousã.—BB: Matta do Fundão. July. S. Fiel. March; late September. Larva in Lousã and Matta do Fundão in July. Foodplant: *Sarothamnus grandiflorus* Webb. In S. Fiel larva in February–March; August–September. Foodplant: *Adenocarpus intermedius* DC.

117. *Lithocolletis caudiferella* Rag.—Western Mediterranean.—Ale: Aldeia do Neuves. May. São Barnabe. May.

COLEOPHORIDÆ

118. *Coleophora iuncicolella* Stt.—European.—BB: S. Fiel.

119. *Coleophora badiipennella* Dup.—European.—E: Torres Vedras. July.

120. *Coleophora lutipennella* Z.—Euroriental.—BB: S. Fiel. June. Soalheira. June.—Larva in April, May.—Foodplants: *Quercus toza* Bosc. and chestnut.

121. *Coleophora binderella* Koll.—European.—BB: S. Fiel. June.—Larva in April.—Foodplant: *Alnus glutinosa* Gärtn.

122. *Coleophora fuscadinella* Z.—European.—BB: Serra da Estrêla.—Foodplant: *Betula pubescens* Ehrh.

123. *Coleophora alcyonipennella* Koll.—European.—BB: Matta do Fundão. Early May.

124. *Coleophora hieronella* Z.—Mediterranean.—E: Setúbal. September.

125. *Coleophora phlomidella* Chr.—Ponto-Mediterranean.—BB: Quinta do Ribeiro Negro. Early September at light.

126. *Coleophora trifariella* Z.—European.—BB: Castelo Novo, Matta do Fundão, S. Fiel, Soalheira. End of May—early June.—Larva in April, May. Foodplants: *Cytisus albus* Lk. and *Sarothamnus grandiflorus* Webb.

127. *Coleophora pyrrhulipennella* Z.—Euroriental.—BB: Senhora da Orada, Serra da Guardunha.—Larva in April—May.—Foodplants: *Calluna* sp. and *Erica* sp.

128. *Coleophora vibicella* Hbn.—Euroriental.—BB: Castellejo, Souto da Casa. June.—Larva in May.—Foodplant: *Genista triacanthos* Brot.

129. *Coleophora ibipennella* Z.—European.—BB: Castelo Novo, S. Fiel. June.—Larva in May.—Foodplant: *Quercus pedunculata* Ehrh.

130. *Coleophora struella* Stgr.—Iberian.—BB: Castellejo. July. Portas de Ródam. End of May—early June.—Larva in April—May.—Foodplant: *Thymus serpyllum* L.

131. *Coleophora conyza* Z.—European.—E: Setúbal. September.

132. *Coleophora onosmella* Brahm.—European.—BB: S. Fiel. End of May.—E: Setúbal. April; July—August.—Larva in February—end of April.—Foodplant: *Echium lusitanicum* Brot.

133. *Coleophora calycotomella* Stt.—Atlantic.—BB: S. Fiel, Soalheira. June.—Larva in April—May.—Foodplants: *Sarothamnus patens* Webb, *Adenocarpus intermedius* DC. and *Cytisus albus* Lk.

134. *Coleophora caspitiella* Z.—European.—E: Setúbal. April.—Alg: Monchique 1500'. May.

135. *Coleophora pterosparti* Mendes (1910, Brotéria, Série zoológica, 9, p. 103–104, fig. 26; pl. 6, fig. 10).—Endemic.—BB: S. Vicente, Sobral do Campo (type localities). June.—Larva early in January—April.—Pupa late April.—Foodplant: *Pterospartum cantabricum* Spach.

136. *Coleophora gnaphalii* Z.—European.—BB: Castellejo, Pardanta.—Larva in May.—Foodplant: *Helichrysum stæchas* DC.

ELACHISTIDÆ

137. *Urodela cisticolella* Stt.—Western Mediterranean.—BB: S. Fiel. End of March—early April.—Larva in January.—Food-

plants: frequently *Cistus ledon* Lam., sometimes *Cistus ladaniferus* L.

138. *Elachista disertella* H.S.—Euroriental.—E: S. Amaro. April.

139. *Elachista pollinariella* Z.—Euroriental.—BL: Lousã. May.—E. Torres Vedras? Frequent in March.

140. *Elachista dispunctella* Dup.—European.—E: Torres Vedras. July; October. Common.

141. *Elachista argentella* Cl.—Euroriental.—BB: S. Fiel.

142. *Elachista megerlella* Stt. (*adscitella* Stt.)—Mediterranean?—BB: S. Fiel.

143. *Mendesia echiella* Joannis (1902, Bulletin Soc. Entom. France, p. 230-232, 6 figs.).—Endemic.—BB: Soalheira (type locality) February-March; early April; July.—Larva in January-February; middle of April.—Pupa end of January-February; middle of June; October. Foodplant: *Echium broteri* Samp. (*lusitanicum* Brot.).

144. *Mendesia joannisiella* Mendes (1909, Brotéria, Série zoológica, 8, p. 65-66, pl. 10, fig. 4).—Endemic.—BB: Serra da Guardunha (type locality). End of March-April.—Larva in January-March.—Foodplant: *Cistus ladaniferus* L.

HELIOZELIDÆ

145. *Heliozela sericiella* Haw.—European.—E: Sintra. April.

146. *Heliozela stannella* F.R.—European.—BL: Lousã.—BB: Castelo Novo.—E: Torres Vedras.—Foodplants: *Quercus lusitanica* Lam. and *Quercus toza* Bosc.

SCYTHRIDIDÆ

147. *Epermenia daucella* Peyer.—Mediterranean.—BB: Covilhã. August. S. Fiel. June.

148. *Epermenia staintoniella* Stt.—Western Mediterranean.—E: Torres Vedras. May.

— *Scythris productella* Z.—European.—BB: Ceia. June.—Stainton has recorded one rather worn specimen captured by Eaton probably referable to this species. Doubtful.

149. *Scythris fallacella* Schläg.—European.—Recorded only by Seebold without locality. June.

150. *Scythris grandipennis* Hw.—Atlantic.—BB: Senhora da Orada. May.

—, *Scythris senescens* Stt.—European.—BB: Matta do Fundão. June. Recorded as doubtful by Mendes.

—, *Scythris cistorum* Mill.—Western Mediterranean.—BB: Serra da Guardunha. Recorded by Mendes. Doubtful.

151. *Scythris scipionella* Stgr.—Western Mediterranean.—E: Praia de Santa Cruz. April.

152. *Scythris salviella* Stgr.—Iberian.—Mentioned by Seebold. No locality. May.

153. *Scythris chenopodiella* Hbn.—Euroriental.—BB: S. Fiel. July.—E: Bemfica. April.

154. *Scythris insulella* Stgr.—Iberian.—No locality (Seebold). April.

155. *Scythris acanthella* God.—Mediterranean.—M: Guimarães.—BB: Ceia. June. S. Fiel. May–June. Ale: Aldeia do Neuves. May.

HYPONOMEUTIDÆ

156. *Prays curtisellus* Dup.—European.—T: Vila Real. June.

157. *Prays oleellus* F. (*oleæ* Bernard).—Mediterranean.—BB: S. Fiel. April; June; September.—E: Setúbal. June; July.—Larva in March on the leaves; in August on the fallen fruit.—Foodplant: olive tree.

158. *Paradoxus osyridellus* Stt.—Mediterranean.—BB: S. Fiel. September.

159. *Herrichia excelsella* Stgr.—European.—No locality (Seebold). May.

160. *Hyponomeuta egregiellus* Dup.—Western Mediterranean.—BB: Serra da Guardunha. May.—E: Torres Vedras. June.—Larva in great number in January–April.—Foodplants: various species of *Erica*.

161. *Hyponomeuta rorellus* Hbn.—European.—BB: S. Fiel. July.

162. *Swammerdamia lutarea* Hw.—European.—BB: Covilhã. September.

163. *Swammerdamia pyrella* Vill.—European.—BB: S. Fiel. End of June.

164. *Argyresthia gædartella* L.—European.—BB: Guarda. End of August.

165. *Cerostoma lucellum* F.—European.—BB: Monte de S. José. June.
166. *Cerostoma persicellum* F.—Mediterranean.—BB: Ceia. June. S. Fiel. June.
167. *Plutella maculipennis* Curt.—Tropico-Holarctic.—M: Guimarães.—BB: S. Fiel. May–August.—E: Campolide, Setúbal. May.
168. *Plutella cruciferarum* Z.—Mediterranean?—Ale: Almondóvar. May.

ACROLEPIIDÆ

169. *Acrolepia vesperella* Z.—Mediterranean.—E: Torres Vedras. June–July.

ÆGERIIDÆ

170. *Synanthedon sphaeciformis* Gerning.—Euro-Pacific.—M: Vizela. July.—BB: Matta do Fundão.
171. *Synanthedon conopiformis* Esp.—Euroriental.—M: Guimarães. June.
172. *Dipsosphecia ichneumoniformis* F.—Euroriental.—M: Gerez, Vizela. July.—BB: S. Fiel. June.
173. *Chamæsphecia chrysidiformis* Esp.—European.—BB: Matta do Fundão. End of May. On an Umbellifera.—E: Setúbal. June.
174. *Chamæsphecia chalcidiformis* Hbn.—Euroriental.—BB: Matta do Fundão. End of May. On an *Umbellifera*.
175. *Chamæsphecia corsica* Stgr.—Western Mediterranean.—BB: Cardigos. Early in May. Serra da Guardunha. May–June.
176. *Chamæsphecia affinis* Stgr.—Euroriental.—T: Vila Real. June.—BB: S. Fiel. June. Serra da Guardunha.
177. *Microsphæcia tineiformis* Esp.—Mediterranean.—E: Setúbal. Common.

GLYPHIPTERYGIDÆ

178. *Simæthis nemorana* Hbn.—Mediterranean.—M: Guimarães. August.—BB: S. Fiel. June–July.—E: Torres Vedras. July. Around fig trees.—Larva in S. Fiel in May–June.—Food-plant: *Ficus carica* L.
179. *Choreutis myllerana* F.—European.—BB: Castellejo. May.

180. *Choreutis bjerlkandrella* Thnbg.—European.—M: Guimarães.—BB: Castellejo. May. S. Fiel. July.—E: Torres Vedras. June.

181. *Choreutis pretiosana* Dup.—European.—E: Estoril. June. Lisboa. June.

182. *Milliereia dolosana* H.S.—Mediterranean.—BB: Portas de Ródam. May.

183. *Glyphipteryx fuscoviridella* Hw.—European.—BB: Castellejo. May. Ceia 1700'. Early June. Matta do Fundão. May. Common on the ground under fallen chestnut leaves.—E: Setúbal. May. Sintra. End of April. Torres Vedras. May.

184. *Glyphipteryx thrasonella* Sc.—European.—BB: Matta do Fundão. June. S. Fiel. Early May. Very abundant.

185. *Glyphipteryx equitella* Sc.—European.—M: Guimarães. August.—BB: S. Fiel. April; November.—E: Oeiras. Late April—early May. Very common. Setúbal. June. August–September. Torres Vedras. May–June. Abundant.—Larva, January–March.—Foodplant: *Umbillicus pendulinus* DC.

186. *Glyphipteryx fischeriella* Z.—European.—T: Vila Real. June.—E: Sintra. Late April.—Alg: Silves. May.

187. *Glyphipteryx schænicolella* Stt.—Western Mediterranean?—Ale: Almondóvar. May.

188. *Douglasia transversella* Z.—European.—E: Torres Vedras. April.

GELECHIIDÆ

189. *Psecadia scerpunctella* Hbn.—Euroriental.—BB: S. Fiel. April.—E: Setúbal. July.

190. *Psecadia pusiella* Roemer.—Euroriental.—BB: S. Fiel. April; June; September.—E: Campolide.

191. *Psecadia bipunctella* F.—Euroriental.—E: Setúbal. May; June; July.

192. *Psecadia funerella* F.—Euroriental.—M: Ruivães. End of June.

193. *Psecadia andalusica* Stgr.—Iberian.—BB: Matta do Fundão. May.

194. *Psecadia aurifluella* Hbn.—Mediterranean.—E: Setúbal. July.

195. *Depressaria assimilella* Tr.—Ponto-Mediterranean.—BB: S. Fiel. July.

196. *Depressaria scopariella* Hein.—European.—BB: S. Fiel. Early June.
197. *Depressaria rutana* F.—Western Mediterranean.—BB: S. Fiel. November.
198. *Depressaria subpropinquella rhodochrella* H.S.—Euroriental.—E: Setúbal. June. Torres Vedras. June.
199. *Depressaria yeatiana* F.—European.—E: Torres Vedras. July.
200. *Depressaria alstræmeriana* Cl.—European.—E: Praia de Santa Cruz. April.
201. *Depressaria lutosella* H.S.—Mediterranean.—E: Setúbal. June.
202. *Depressaria applana* F.—European.—E: S. Amaro. Early May.
203. *Depressaria brunneella* Rag.—Western Mediterranean.—BB: S. Fiel. Early June.
204. *Depressaria tenebricosa* Z.—Mediterranean.—E: Torres Vedras. June.
205. *Depressaria albipunctella* Hbn.—European.—BB: S. Fiel.
206. *Depressaria ululana* Rössl.—European.—BB: Matta do Fundão.
207. *Depressaria nervosa* Hw.—European.—BB: S. Fiel. June.—Mendes found the imago hibernating under the bark of *Eucalyptus*.
208. *Pleurota planella* Stgr.—Mediterranean.—BB: Matta do Fundão. Early June.
209. *Pleurota pyropella* Schiff.—Mediterranean.—E: Torres Vedras. July.
210. *Pleurota schlægeriella* Z.—European.—E: Torres Vedras. July.
211. *Pleurota honorella* Hbn.—Western Mediterranean.—BB: Serra da Guardunha. May–June.—E: Estoril. End of June. Oeiras. End of June. Setúbal. May. Torres Vedras. July.—f. *heydenreichiella* H.S. and f. *nobilella* Rbl.—BB: Serra da Guardunha. May–June.
212. *Pleurota protosella* Stgr.—Iberian.—BB: S. Fiel. Early May.
213. *Pleurota bicostella* Cl.—Euroriental.—M: Salamonde. End of June.—E: Torres Vedras. End of May.

214. *Pleurota ericella* Dup.—Mediterranean.—M: Guimarães. May.—BB: Pardante. May. S. Fiel. May.—E: Torres Vedras. June.—Alg: Aldeia do Neuves. Early May. Almodóvar. Early May.—Alg: Silves. Middle of May.
215. *Pleurota amaniella* Mn.—Mediterranean.—June. Recorded only by Seebold without definite locality.
216. *Protasis punctella* Costa.—Mediterranean.—E: Torres Vedras. July.
217. *Carcina quercana* Sc.—Euroriental.—M: Guimarães.—BB: Covilhã. August. S. Fiel. June.—E: Setúbal. July.—Foodplant: *Quercus toza* Bosc.
218. *Lecithocera luticornella* Z.—European.—M: Guimarães. August.—BB: Covilhã. August. Monte de S. José. June. Soalheira. June.—E: Torres Vedras. May. July. Frequent.—Alg: Silves. May.—f. *pullicomella* Stgr.—E: Setúbal.
219. *Symmoca signatella* H.S.—Ponto-Mediterranean.—M: Guimarães.—BB: S. Fiel. July.—E: Lisboa. July. Torres Vedras. June.
220. *Symmoca nigromaculella* Rag. (1875, Bulletin Soc. Entom. France, p. 194; 1876, Annales Soc. Entom. France, 6, p. 410, pl. 6, fig. 6).—Endemic.—BL: Coimbra (type locality).—BB: S. Fiel.
221. *Symmoca oxybiella* Mill.—Western Mediterranean.—BB: S. Fiel. June.
222. *Symmoca tofosella* Rbl.—Iberian.—BB: Serra da Gardunha. August. September.
223. *Symmoca griseosericeella* Rag. (1879, Bulletin Soc. Entom. France, p. 140).—Endemic.—BL: Coimbra (type locality).—BB: Matta do Fundão. Early May.
224. *Alabonia staintonella* Z.—Euroriental.—Recorded by Seebold without definite locality. June.—? Alg: Picota 1600–1700'. May. Stainton gives this capture made by Eaton as doubtful (1880–1881, Entom. Monthly Magaz., 17, p. 247–248). This observation may pertain to a new species.
225. *Æcophora sulphurella* F.—Euroriental.—BB: S. Fiel. May.—E: Setúbal. February, March.
226. *Æcophora oliiviella* F.—Euroriental.—BB: S. Fiel. June.
227. *Borkhausenia detrimentella* Stgr.—Iberian.—Alg: Monchique. Late May.

228. *Borkhausenia angustella* Hbn.—European.—BB: S. Fiel.
229. *Borkhausenia formosella* F.—European.—M: Guimarães.—BB: S. Fiel. August.—E: Torres Vedras. June.
230. *Borkhausenia xenias* Meyrick.—Western Mediterranean.—BB: Matta do Fundão. May. According to Mendes (1935, Brotéria, Série trimestral, 4(31), p. 70) the specimen captured by him has been compared by Meyrick with the type. This species is described from a single specimen from Philippeville, North Africa.
231. *Blastobasis phycidella* Z.—Euroriental.—E: Setúbal. August. Torres Vedras. June. July.
232. *Blastobasis fuscomaculella* Rag. (1879, Bulletin Soc. Entom. France, p. 141).—Western Mediterranean (Canarian).—BL: Coimbra (type locality).—E: Setúbal. March; July–August. Torres Vedras. June–July; November.
- *Prosthesis exclusa* Wlsgm.—Mediterranean?—BB: Matta do Fundão. May. Found by Mendes, but considered as doubtful. (1913, Brotéria, Série zoológica, 11, p. 22).
233. *Egoconia quadripuncta* Hw.—Euroriental.—BB: Covilhã. August. Ponte de Morcellos. June. S. Fiel. July.—E: Setúbal. June–July; September. Torres Vedras. June.
234. *Brachmia triannulella* H.S.—Euroriental.—E: Setúbal. July.
235. *Rhinosia formosella* Hbn.—Euroriental.—M: Guimarães.—BB: S. Fiel.
236. *Euteles kollarella* Costa.—Mediterranean.—BB: Matta do Fundão. July–August.—E: Setúbal. June–July. Torres Vedras. July. Frequent.
237. *Euteles ratella* H.S.—Ponto-Mediterranean.—BB: Quinta dos Carvalhos. August. Quinta do Ribeiro Negro. August.—E: Setúbal. July. Torres Vedras. July.
238. *Metanarsia santennæ* Stgr.—Iberian.—April. Recorded by Seebold without definite locality.
239. *Nothris verbascella* Hbn.—Euroriental.—E: Campolide. Setúbal. October.
240. *Nothris limbipunctella* Stgr.—Western Mediterranean.—Ale: Aldeia do Neuves. May.
241. *Holcopogon bubulcellus* Stgr.—Western Mediterranean.—BB: Covilhã. Early September.

242. *Hypsolophus iuniperellus* L.—Euroriental.—BB: Castellejo. May.

243. *Tachyptilia scintillella* F.—Mediterranean.—BB: Serra da Guardunha. June–July.—Larva in May.—Foodplant: flowers of *Cistus ledon* Lam.

244. *Schistophila laurocistella* Chrét.—Western Mediterranean.—BB: Serra da Guardunha. Middle of May—middle of June.—Larva in January–March.—Foodplant: *Cistus ladaniferus* L.

245. *Teleia tamariciella* Z.—Mediterranean.—Alg: Silves. May.

246. *Teleia cisti* Stt.—Western Mediterranean.—BB: Senhora da Orada. June.—Larva in May.—Foodplant: *Halimium occidentale* W.

247. *Teleia triparella* Z.—Euroriental.—BB: Matta do Fundão. Early May.—?E: Torres Vedras. End of July. One worn specimen.

248. *Psoricoptera gibbosella* Z.—European.—BB: Covilhã. Early September.

249. *Platyedra vilella* Z.—Euroriental.—BB: S. Fiel.—E: Setúbal. May. Torres Vedras. End of October.—Ale: Almodóvar. May.

250. *Gelechia spurcella* H.S.—Euroriental.—BB: Ponte de Morcellos. June.

251. *Gelechia distinctella* Z.—European.—M: Guimarães. May.—BB: S. Fiel. July.

252. *Gelechia pascuicola* Stgr.—Iberian.—BB: S. Fiel. March.

253. *Gelechia peliella* Tr.—European.—BB: Quinta dos For- nos. July. S. Fiel. July.

254. *Gelechia ericetella* Hbn.—Euroriental.—E: Val de Rosal. April. Very dark specimens.

255. *Gelechia mulinella* Z.—Atlantic.—E: Setúbal.—Food- plant: *Bartsia aspera* Brot.

256. *Gelechia interruptella* Hbn.—European.—BB: S. Fiel. March.

257. *Gelechia malvella* Hbn.—European.—Alg: Silves. May.

258. *Gelechia solutella* Z.—Euroriental.—BB: Castellejo. May.

259. *Gelechia diffinis* Hw.—European.—BB: Serra da Guardunha. March–April.

— *Gelechia viduella* F.—Boreo-Alpine.—?Alg: Monchique 2150'. May. One worn specimen found by Eaton and considered by Stainton as "rather allied to *G. viduella*." (1880-1881, Entom. Monthly Mag., 17, p. 247.)

260. *Lita helotella* Stgr.—Western Mediterranean.—BB: Matta do Fundão. June.—E: Val de Rosal. April.

261. *Lita solanella* B.—Tropico-Holarctic.—BB: Fundão. October. Idanha a Nova. Sobral do Campo. October.—E: Torres Vedras. July.—Larva in August-September. Injurious.—Foodplant: potato.

— *Lita salinella* Z.—Western Mediterranean.—BB: S. Fiel. April. Very common. Found only by Mendes. Identification doubtful.

— *Lita iunctella* Dgl.—European.—BB: Serra da Gardunha. April-May. Found only by Mendes. Identification doubtful.

262. *Lita marmorea* Hw.—European.—BB: S. Fiel. May.

— *Lita cauligenella* Schmid.—European.—BB: Barca d'Alva, Matta do Fundão. Monte S. José. S. Fiel.—Larva in May-June.—Foodplants: *Silene gallica* L., *Silene portensis* Hffg., *Silene inaperta* L., *Silene longicilia* Hoth. Bred by Tavares. Identification doubtful.

263. *Bryotropha figulella* Stgr.—Mediterranean.—BB: S. Fiel.

264. *Bryotropha plebeiella* Z.—Mediterranean.—June. Recorded only by Seebold without definite locality.

265. *Bryotropha similis* Stt.—Atlantic.—BB: S. Fiel.

266. *Bryotropha affinis* Dgl.—Euroriental.—BL: Lousã. July.

267. *Bryotropha domestica* Hw.—Euroriental.—BB: S. Fiel. June.—E: Setúbal. August.

268. *Bryotropha basaltinella* Z.—European.—BB: S. Fiel.

269. *Metzneria paucipunctella* Z.—Euroriental.—April. Recorded only by Seebold, without definite locality.

270. *Metzneria castiliella* Möschl.—Iberian.—Alg: Silves. May.

271. *Metzneria carlinella* Stt.—European.—E: Torres Vedras. July.

272. *Metzneria metzneriella* Stt.—European.—BB: Matta do Fundão. Early May.—E: Torres Vedras. July.

273. *Paltodora striatella* Hbn.—Holarctic.—E: Setúbal. June–July. Torres Vedras. July.
274. *Paltodora anthemidella* Wck.—Euroriental.—E: Setúbal. May.
275. *Paltodora kefersteiniella* Z.—Mediterranean.—E: Setúbal. June.
276. *Paltodora lineatella* Z.—Mediterranean.—BB: S. Fiel. June. Common.—Alg: Silves. May.
277. *Paltodora cytisella* Curt.—European.—BB: Portas de Ródam. May. S. Fiel. June.
278. *Sitotroga cereatella* Olivier.—Holarctic.—BB: S. Fiel. May.
279. *Anacampsis anthyllidella* Hbn.—Euroriental.—BB: Covilhã. End of August–early September.—E: Capuchos. End of August. Torres Vedras. July.
280. *Anacampsis vorticella* Sc.—Euroriental.—T: Vila Real. Late June.—BB: S. Fiel. April–May.—Larva in March–April.—Foodplant: *Adenocarpus intermedius* DC.
281. *Xystophora carchariella* Z.—Euroriental.—BB: S. Fiel.
282. *Xystophora farinosæ* Stt.—European.—BB: S. Fiel. June.
283. *Xystophora tenebrella* Hbn.—European.—BB: S. Fiel.
284. *Apodia bifractella* Dgl.—Euroriental.—E: Setúbal. September.
285. *Ptocheuusa deiectella* Stgr.—Iberian.—BB: S. Fiel.
286. *Ptocheuusa inopella* Z.—Atlantic.—Alg: Silves. May.
287. *Aristotelia ericinella* Dup.—European.—BB: Serra da Estrêla. End of August–early September.—E: Capuchos. End of August. Estoril. July.
288. *Epidola stigma* Stgr.—Iberian.—BB: Covilhã. Early September.
289. *Pterolonche inspersa* Stgr.—Euroriental.—E: Torres Vedras. July.

MOMPHIDÆ

290. *Pancalia leewenhoeckella latreillella* Curtis.—European.—T: Vila Real. 2480'. Late June.
291. *Stagmatophora grabowiella* Stgr.—Mediterranean.—BB: Castellejo. June–July. S. Fiel. June–July.—E: Val de Rosal.—

Larva in March–May.—Foodplants: *Lavandula stœchas* L., *Thymus serpyllum* L.

292. *Stagmatophora serratella* Tr.—Mediterranean.—BB: Covilhã. September. S. Fiel. May–June.—Larva in April–May.—Foodplant: *Anarrhinum bellidifolium* L.

293. *Mompha decorella* Steph.—Euroriental.—M: Gerez.—BB: Matta do Fundão. S. Fiel. Late August.—Larva in June.—Foodplant in Matta do Fundão *Epilobium virgatum* Fr., in Gerez *Epilobium lamyi* Fr. Schultz.

294. *Limnæcia phragmitella* Stt.—Atlantic.—E: Torres Vedras. End of July.

295. *Tebenna miscella* Schiff.—Euroriental.—BB: Ceia. Early June. S. Fiel. Late April.—Larva in February.—Foodplant: *Cistus ledon* Lam.

296. *Cosmopteryx eximia* Hw.—Euroriental.—BB: S. Fiel.

ATYCHIIDÆ

297. *Atychia nana* Tr.—Mediterranean.—E: Torres Vedras. July.

298. *Atychia diacona* Ld.—Mediterranean?—BB: S. Fiel.

COSSIDÆ

299. *Cossus cossus* L.—Euroriental.—M: Caldelas. August. Vizela. August.

300. *Cossus terebra* F.—Euroriental.—E: Setúbal. July.

301. *Dyspessa ulula* Bkh.—Euroriental.—E: Lisboa. June. Torres Vedras. June.—f. *marmorata* Rbr. E: Campolide. Setúbal. July.

302. *Zeuzera pyrina* L.—Holarctic.—M: Caldelas. August. Rare. Vizela. June.—BB: S. Fiel. June.—E: Campolide. Setúbal. July. Torres Vedras. July. Foodplants: apple tree (*Pyrus malus* L.) and other fruit trees.

TORTRICIDÆ

303. *Acalla hastiana* L.—Holarctic.—BB: S. Fiel. May.—E: Setúbal. November.—f. *centrovittana* Steph. BB: S. Fiel.

304. *Acalla logiana* Schiff.—Holarctic.—Alg: Picota. 1600–1700'. May.

305. *Acalla variegana* Schiff.—Holarctic.—BB: S. Fiel. June–July; October–November.—E: Lisbon. May; late November. Setúbal. June. Torres Vedras. June.

306. *Acalla permutana* Dup.—European.—BB: Soalheira. October.

307. *Acalla ferrugana* Schiff.—Holarctic.—M: Guimarães. August.—BB: S. Fiel. June; October–November.

308. *Acalla quercinana* Z.—Euroriental.—BB: S. Fiel. August.

309. *Acalla contaminana* Hbn.—Holarctic.—Póvoa. October. The capture of this species has been recorded only by Mendes. There are several localities by the name of Póvoa in Portugal. I do not know which one he meant.

310. *Dichelia hyerana* Mill.—Mediterranean.—BL: Lousã. October.—Larva in May.—Foodplant: *Asphodelus occidentalis*.

311. *Capua angustiorana* Hw.—Holarctic.—BL: Coimbra, Lousã.—BB: Portas do Ródam, S. Fiel, Soalheira, Sobral do Campo. May.—E: Alenquer, Arrabida, Praia de Santa Cruz, Setúbal, Sintra, Torres Vedras. End of June.—Alg: Portimão.—Foodplants: *Quercus ilex* L., *Quercus coccifera* L., and *Quercus suber* L.

312. *Sparganothis pilleriana* Schiff.—Holarctic.—E: Salva-terra de Magoç. Injurious to vineyards, according to Seabra (1919).

313. *Cacæcia podana* Sc.—Euro-Pacific.—BB: Matta do Fundão. June.

314. *Cacæcia xylosteanana* L.—Euro-Pacific.—BB: Monte de S. José. Middle of June. Common.—Ale: Serpa. Injurious.—Larva in April–May.—Foodplant: *Quercus toza* Bose.

315. *Cacæcia rosana* L.—Holarctic.—BB: S. Fiel. June.

316. *Cacæcia unifasciana* Dup.—Euroriental.—Recorded by Seebold without definite locality.

317. *Cacæcia semialbana* Gn.—Euro-Pacific.—M: Guimarães. August.

318. *Pandemis heparana* Schiff.—Euro-Pacific.—M: Guimarães. August.—BB: Ribeira da Ocreza. June.—E: Torres Vedras. June.

319. *Tortrix croceana* Hbn.—European?—M: Guimarães. May.—BB: Senhora da Orada. May. Unhais da Serra. Sep-

tember.—E: Val de Rosal. April.—Pupa found on *Halimium occidentale* W.

320. *Tortrix unicolorana* Dup.—European?—BL: Lousã.—BB: Matta do Fundão. April–May.—E: Sintra. April. Val de Rosal. April.—Pupa found in April on *Asphodelus* sp.

321. *Tortrix amplana* Hbn.—European?—BB: S. Fiel. March–early April. Serra da Guardunha.—E: Alcantara. April. Setúbal. April–June.—Larva in December–February.—Foodplant: *Urginea scilla* Steinh.

322. *Tortrix eatoniana* Rag. (1880–1881, Entom. Monthly Mag., 17, p. 231–232).—Western Mediterranean?—BB: Covilhã, Ponte de Morecellos (type locality). June. Ribeira da Ocreza, S. Fiel. End of April–June; August–September.—E: Olivais (type locality). April. Setúbal. June. Torres Vedras. May.

323. *Tortrix conwayana* F.—European.—E: Torres Vedras. May.

324. *Tortrix læflingiana ectypana* Hbn.—Euroriental.—BB: Monte de S. José. May.

325. *Tortrix viridana* L.—Euroriental.—BB: Castelo Branco, Monte de S. José. Early June.—Ale: Beja, Evora, Portalegre, Serpa, Vila Viçosa.—Larva from early February–May.—The pupa lives an average of 17–18 days.—Seabra and Santos Hall (1924) made an interesting survey of this injurious species, giving detailed account of its distribution and phenology, with comparative data concerning phenology from several other European countries.

326. *Tortrix longana luridalbana* H.S.—Euroriental.—April. Recorded by Seebold without definite locality.

327. *Tortrix wahlbomiana* L.—Euroriental.—BB: S. Fiel. May–June.—E: Campolide. Val de Rosal. April. Abundant on pines.—Larva in April–May.—Foodplant: *Digitalis thapsi* L.—f. *communana* H.S.—Ale: Almodóvar. May.—Ale: SE of Silves. May.

328. *Tortrix chrysantheana* Dup.—Euroriental.—April. Recorded by Seebold without definite locality.

329. *Tortrix abrasana* Dup.—Euroriental.—E: Setúbal. August.

330. *Tortrix nervana* Joannis (1908, Bulletin Soc. Entom.

France, p. 190).—Iberian.—BB: S. Fiel (type locality). Serra da Estrêla. Early September.

331. *Lozopera deaurana* Peyer.—Mediterranean?—BB: S. Fiel.—E: Setúbal.

332. *Phalonia sanguinana* Tr.—Euroriental.—E: Setúbal. May–June.

333. *Phalonia implicitana* Wck.—Atlantic.—E: Oeiras. June.

334. *Phalonia purpuratana roseofasciana* Mn.—European.—BB: Matta do Fundão. June. Soalheira. June.

335. *Phalonia zephyrana* Tr.—Euroriental.—March. Recorded by Seebold without definite locality.

336. *Phalonia nana* Hw.—Holartic.—BB: S. Fiel.

337. *Phalonia pallidana* Z.—European.—BB: S. Fiel. June.

338. *Phalonia posterana* Z.—Euroriental.—E: Torres Vedras. End of July in vineyards.

339. *Phalonia hybridella* Hbn.—Euroriental.—E: Campolide, Setúbal. July.

340. *Phalonia punctiferana* Rag. (1880–1881, Entom. Monthly Mag., 17, p. 232).—Endemic.—T: Bragança (type locality).

341. *Phalonia reversana* Stgr.—Iberian.—BB: Castellejo. May.—E: Setúbal. May.

342. *Phalonia respirantana* Stgr. (1880, Horæ Soc. Entom. Rossicæ, 15, p. 88).—Mediterranean.—E: Setúbal. June.—Alg: Silves. May.

343. *Phalonia chamomillana* H.S.—Mediterranean.—BB: S. Fiel. May.

344. *Phalonia simoniana* Stgr.—Western Mediterranean.—E: Sintra. April.

345. *Euxanthis lathoniana* Hbn.—Ponto-Mediterranean.—E: Torres Vedras. June.

346. *Euxanthis straminea* Hw.—Euroriental.—BB: Castelo Novo. November.—E: Setúbal. June–July. Torres Vedras. End of July.

347. *Euxanthis hamana* L.—Euroriental.—E: Setúbal. July.

348. *Commophila rugosana* Hbn.—European.—BB: S. Fiel. May.

349. *Hysterosia maculosana* Hw.—Atlantic.—BB: Portas do Ródam. May.

350. *Evetria duplana* Hbn.—Euro-Pacific.—BB: S. Fiel. March.
351. *Evetria buoliana* Schiff.—Holarctic.—BB: Soalheira. June.
352. *Argyroploce ochroleucana* Hbn.—Euroriental.—BB: S. Fiel. May.
353. *Argyroploce oblongana* Hw.—Euroriental.—BB: Senhora da Orada. May.—E: Setúbal. June.
354. *Argyroploce gentiana* Hbn.—European.—E: Setúbal. July.
355. *Argyroploce lacunana* Dup.—Euroriental.—BB: Ceia. June. Matta do Fundão. May-June. Monte de S. José. Ribeira da Ocreza.
356. *Argyroploce rurestrana* Dup.—Mediterranean.—BB: S. Fiel. June.
357. *Ancylis sparulana* Stgr.—Iberian.—April. Recorded by Seebold without definite locality.
358. *Ancylis siculana* Hbn.—Euroriental.—BB: S. Fiel. End of April. Imago found on *Cornus sanguinea*.
359. *Ancylis diminutana* Hw.—European.—BB: Ceia. June.
360. *Polychrosis botrana* Schiff.—Euroriental.—BB: Serra da Guardunha. June.—E: Estoril. Early May. S. Amaro. April. Torres Vedras. March; July.
361. *Polychrosis littoralis* Westwd.—Atlantic.—E: Setúbal. March; August.
362. *Acroclita consequana* H.S.—Atlantic.—E: Torres Vedras.
363. *Crociosema plebeiana* Z.—Tropico-Holarctic.—BB: S. Fiel. Serra da Guardunha. May.—E: Setúbal. Torres Vedras. End of July.
364. *Bactra lanceolana* Hbn.—Tropico-Holarctic.—BB: S. Fiel. April-May.—E: Setúbal. May. Torres Vedras. June.
365. *Bactra furfurana* Hw.—Holarctic.—E: Val de Rosal. April.
366. *Bactra venosana* Z.—Western Mediterranean.—Recorded by Seebold without definite locality.
367. *Pelatea festivana* Hbn.—Mediterranean.—BB: Covilhã. July.
368. *Epinotia corticana* Hbn.—European.—BB: Monte de S. José. June.—E: Torres Vedras. June.

369. *Epinotia aceriana* Dup.—European.—BB: S. Fiel.
370. *Epinotia incarnana* Hw.—European.—BB: S. Fiel. October.—E: Campolide. Setúbal. October.
371. *Epinotia minutana* Hbn.—European.—BB: S. Fiel.
372. *Semasia seeboldi* Rössl.—Iberian.—BB: Castellejo. May. Pardanta.—E: Val de Rosál. April.
373. *Tmetocera ocellana* F.—Holarctic.—BB: S. Fiel. June.
374. *Notocelia incarnatana* Hbn.—Euroriental.—BB: S. Fiel.—E: Setúbal. September.
375. *Epiblema tripunctana* F.—Euroriental.—BB: S. Fiel. May.—E: Setúbal. April.
376. *Epiblema couleurana* Dup.—European.—E: Setúbal. July.
377. *Epiblema sordicomana* Stgr.—European?—BB: Pardanta. Middle of May.—Ale: Almodóvar. Early May.
378. *Epiblema cana* Hw.—European.—E: Setúbal. July.
379. *Epiblema grammana* Const.—Western Mediterranean.—Recorded by Seebold without definite locality.
380. *Epiblema thapsiana* Z.—Euroriental.—E: S. Amaro. April.
381. *Carpocapsa pomonella* L.—Holarctic.—M: Guimarães. June.—BB: S. Fiel. June–August.—E: Campolide. Lisboa. July. Setúbal. June–August. Torres Vedras. July.—Foodplants: apple and orange.
382. *Carpocapsa grossana* Hw.—European.—E: Torres Vedras. June.—Foodplant: *Quercus coccifera* L.
383. *Carpocapsa splendana* Hbn.—European.—BB: Soalheira. May.—E: Torres Vedras.—Larva until November, pupates in November.—Foodplant: *Quercus* sp.—f. *reaumurana* Hein.—BB: Manteigas. Early September.—Foodplant: chestnut.
384. *Laspeyresia nebritana* Tr.—Euroriental.—BB: Monte de S. José. May.
385. *Laspeyresia gemmiferana* Tr.—Euroriental.—E: Setúbal. April.
386. *Laspeyresia succedana* Froel.—Euroriental.—M: Guimarães. May.—BB: Monte de S. José. May.—E: Torres Vedras. March. Abundant.—f. *ulicetana* Hw.—E: Estoril. Late February–early May. Very common. I did not find any other species in such great number in this area. They were flying literally by

the hundreds. Parque de Pena near Sintra. Late April. Sintra. Early May.

387. *Laspeyresia micaceana* Const.—Mediterranean?—E: Parque de Pena near Sintra. Late April.—Ragonot (1880–1881, Entom. Monthly Mag., 17, p. 233) considers this species as a form of *Laspeyresia succedana ulicetana* Hw.

388. *Laspeyresia adenocarpi* Rag.—Western Mediterranean.—BB: Soalheira. June.—Larva in May.—Foodplant: *Adenocarpus intermedius* D.C.

389. *Laspeyresia cacana* Schläg.—Euroriental.—Recorded by Seebold without definite locality.

390. *Laspeyresia macrogrammana* Gn.—Euroriental.—E: Setúbal. July.

391. *Laspeyresia pinetana* Schläg.—Atlantic.—E: Val de Rosal. April.

392. *Laspeyresia coniferana* Ratzb.—European.—BB: Ponte de Morcellos. June.

393. *Laspeyresia internana* Gn.—Atlantic.—BB: S. Vicente da Beira on the flowers of *Pterospartum cantabricum* Spach. Serra da Estrêla on *Genista lusitanica* L. July.

394. *Laspeyresia dorsana* F.—Euroriental.—BL: Lousã on *Prunus spinosa* L. May.—E: Setúbal. April. Val de Rosal. April.

395. *Pamene gallicolana amygdalana* Dup.—Euroriental.—M: Gerez. Guimarães. June.—BA: Barrô.—BL: Lousã.—BB: Alpedrinha, Castelo Branco, Castelo Novo, Lardoza, Soalheira, Sobral do Campo.—E: Setúbal, Sintra, Torres Vedras. End of June.—Foodplants: *Quercus toza* Bosc. and *Quercus lusitanica* Lam.

ORNEODIDÆ

396. *Orneodes hexadactyla* L.—Euroriental.—BB: Quinta do Ribeiro Negro. August–September. S. Fiel. July.—E: Setúbal.

397. *Orneodes huebneri* Wallgr.—Holaretic.—BB: S. Fiel. August.—E: Setúbal. Torres Vedras. February–March. June–July. November.

PTEROPHORIDÆ

398. *Agdistis heydeni* Z.—Western Mediterranean.—E: Torres Vedras. July.

399. *Amblyptilia acanthodactyla* Hbn.—Euroriental.—BB: S. Fiel. October.—E: Setúbal. August–September. Torres Vedras. March.—Ale: Almodóvar. May.

400. *Stenoptilia bipunctidactyla* Hw. (*serotinus* Z.)—Mediterranean.—BB: Serra da Estrêla. Early September.—E: Setúbal. July.

—, *Stenoptilia graphodactyla* Tr.—Alpine.—E: Torres Vedras. July. Recorded by Mendes. Identification doubtful.

401. *Oxyptilus tristis* Z.—European.—BB: S. Fiel.—E: Torres Vedras. July.

402. *Oxyptilus distans laeta* Z.—Euroriental.—M: Guimarães.—BB: Serra da Estrêla. June. August.—E: Estoril. July–September. Setúbal. June–July. Torres Vedras. July.

403. *Trichoptilus siceliota* Z.—Mediterranean.—BB: Ribeira da Ocreza. May. Serra da Guardunha.—E: Torres Vedras. End of July.

404. *Pterophorus monodactylus* L.—Holarctic.—M: Guimarães.—BB: Soalheira. October.—E: S. Amaro. May. Setúbal. Torres Vedras. End of July. Common.

405. *Pterophorus osteodactylus* Z.—European.—E: Setúbal. April.—Alg: Silves. May.

406. *Pterophorus microdactylus* Hbn.—Euroriental.—M: Gerez.—BB: Covilhã, Matta do Fundão. End of July–August.—E: Setúbal. July.—Larva in June–July.—Foodplant: *Eupatorium cannabinum* L.

407. *Alucita icterodactyla* Mann.—Western Mediterranean.—T: Vila Real. June.

408. *Alucita baliodactyla* Z.—Euroriental.—BB: S. Fiel. June.—E: Setúbal. May–June.

409. *Alucita tetradactyla* L.—Euroriental.—BB: S. Fiel.—E: Setúbal. June. Torres Vedras. End of July.—f. *meristodactyla* Hofm.—E: Torres Vedras. July.

410. *Alucita malacodactyla* Z.—Mediterranean.—BB: S. Fiel.

411. *Alucita pentadactyla* L.—Euroriental.—E: Torres Vedras. End of July.

PYRALIDÆ

412. *Achroia grisella* F.—Holarctic.—BB: S. Fiel. End of August.—E: Setúbal. July.

413. *Melissoblyptus bipunctanus* Z.—European.—BB: S. Fiel. August–September.
414. *Aphomia sociella* L.—Holarctic.—M: Guimarães.—BB: S. Fiel.
415. *Galleria mellonella* L.—Holarctic.—BB: S. Fiel.—E: Setúbal. May–June. August.
416. *Lamoria anella* Schiff.—Mediterranean.—BB: S. Fiel.—E: Setúbal. August–September.
417. *Crambus inquinatellus* Schiff.—European.—M: Gerez.—BB: Serra da Estrêla. August. Serra da Guardunha. August–September.
418. *Crambus graphellus* Const.—Western Mediterranean.—E: Setúbal. April; August–September.
419. *Crambus divisellus* Joan.—Mediterranean.—BB: Serra da Guardunha. September.—E: Setúbal. September.
420. *Crambus desertellus* Ld.—Mediterranean?—E: Setúbal. August–September.
421. *Crambus geniculeus* Hw.—European.—BB: Serra da Estrêla, Serra da Guardunha. August–September.—E: Setúbal. July–August. Torres Vedras. October.
422. *Crambus contaminellus* Hbn.—European.—BB: Serra da Estrêla, Serra da Guardunha. August–September.—E: Setúbal. July. Torres Vedras. June.
423. *Crambus matricellus* Tr.—European.—BB: S. Fiel. September–October.
424. *Crambus deliellus* Hbn.—European.—BB: Serra da Estrêla. August–September.
425. *Crambus tristellus* F.—European.—BB: Serra da Estrêla. End of August–beginning of September. Serra da Guardunha. August–October.
426. *Crambus selasellus* Hbn.—European.—BB: S. Fiel. September.
427. *Crambus fulgidellus* Hbn.—European.—BB: Serra da Estrêla. Late August–early September.
428. *Crambus latistrius* Hw.—Atlantic.—BB: S. Fiel. April. September.
429. *Crambus pinellus* L.—European.—BB: Matta do Fundão. July.

430. *Crambus staudingeri* Z.—Western Mediterranean.—BB: Serra da Guardunha. August–September. Abundant.
431. *Crambus craterellus* Sc.—European.—M: Guimarães. May.—E: Setúbal. June. Torres Vedras. June.—f. *cassentiniellus* Z.—BB: S. Fiel. Middle of May on *Cytisus albus* Lk.—Ale: Almodóvar. May.
432. *Crambus hortuellus* Hbn.—European.—BB: S. Fiel.—E: Setúbal. June.
433. *Crambus culmellus* L.—European.—BB: Ribeira da Ocreza. May–June.
434. *Crambus pratellus* L.—European.—BB: Serra da Estrêla. July.—E: Setúbal.—f. *alfacarellus* Stgr.—M: Guimarães. May.—BB: Matta do Fundão. July. Ribeira da Ocreza. June. Serra da Guardunha. May.
435. *Crambus candiellus* H.S.—Mediterranean.—BB: Quinta dos Carvalhos. September. S. Fiel. July. At light.
436. *Crambus malacellus* Dup.—Tropical.—M: Guimarães. August.
437. *Platytes cerussellus* Schiff.—European.—BB: S. Fiel.
- , *Platytes cuneolellus* Chrét.—Western Mediterranean.—Seebold mentioned without definite locality this species. Doubtful.
438. *Platytes alpinellus* Hbn.—European.—Recorded by Seebold without definite locality.
439. *Eromene anapiella* Z.—Western Mediterranean.—BB: S. Fiel.—E: Setúbal. July.
440. *Eromene superbella* Z.—Mediterranean.—E: Setúbal. July. Torres Vedras. July.
441. *Eromene ocella* Hw.—Mediterranean.—BB: S. Fiel.—E: Lisboa. March. Setúbal. June–July.
442. *Ancylolomia tentaculella* Hbn.—Mediterranean.—BL: Condeixa. September.—BB: Serra da Estrêla. August–September. Serra da Guardunha. September.
443. *Ancylolomia contritella* Z.—Mediterranean.—BB: Quinta dos Carvalhos. Early September. Serra da Guardunha. September–October.—E: Setúbal. September.
444. *Epidauria phæniciella* Rag.—Western Mediterranean?—BB: Covilhã. Late August.—E. Setúbal. August.

445. *Anerastia lotella* Hbn.—European.—Recorded by Seebold without definite locality.

446. *Ematheudes punctella* Tr.—Mediterranean.—BL: Condeixa. August.—BB: S. Fiel.—E: Setúbal. August–September. Torres Vedras. July.

447. *Homeosoma sinuellum* F.—Mediterranean.—BB: S. Fiel. August.—E: Setúbal. June.

448. *Homeosoma exustella* Rag.—Western Mediterranean.—E: Torres Vedras. July.

449. *Homeosoma nimbellum* Z.—Mediterranean.—BB: S. Fiel. April. June.—E: Setúbal. July. Torres Vedras. June. Val de Rosal. April.—Alg: Silves. May.

450. *Plodia interpunctella* Hbn.—Holarctic.—M: Guimarães.—BB: S. Fiel. August. November. In some years very common at places where wheat is stored.—E: Torres Vedras. July.—Foodplants: wheat and fig.

451. *Ephestia kuehniella* Z.—Holarctic.—BB: S. Fiel. October.

452. *Ephestia calidella* Gn.—Mediterranean.—BB: S. Fiel.—Larva in October.—Foodplant: fig.

453. *Ephestia figulilella* Gregson.—Tropico-Holarctic.—BB: S. Fiel. June.

454. *Ephestia afflatella* Mn.—Western Mediterranean.—BB: S. Fiel. June.

455. *Ephestia tephriella* Ld.—Mediterranean.—E: Torres Vedras. July.

456. *Ephestia disparella* Rag.—Mediterranean?—BB: S. Fiel. May.—E: Setúbal.

457. *Ephestia elutella* Hbn.—Tropico-Holarctic.—BB: Quinta dos Carvalhos. September. S. Fiel. April.—E: Setúbal. June.

458. *Ancylois cinnamomella* Dup.—Mediterranean.—BB: S. Fiel. April–May.—E: Setúbal. April. Torres Vedras. July.

459. *Heterographis oblitella* Z.—Euroriental.—E: Setúbal. July.

460. *Oxybia transversella* Dup.—Mediterranean.—E: Setúbal. June.

461. *Psorosa nucleolella* Moeschl.—Ponto-Mediterranean.—BB: S. Fiel.

462. *Pempelia sororiella* Z.—Mediterranean.—M: Guimarães. May.—BB: S. Fiel. June.—E: Val de Rosal. April.
463. *Pempelia subornatella* Dup.—European.—BB: Castellejo. June.—Larva in May.—Foodplant: *Thymus serpyllum* L.
- *Pempelia integrella* Stgr.—European?—M: Guimarães. May. Captured by Moraes. Identification doubtful.
464. *Pempelia satireiella* Mill.—Western Mediterranean?—Alg: Silves. May.
465. *Metallosticha nigrocyarella* Const.—Western Mediterranean.—E: Torres Vedras. End of July.
466. *Euzophera nelliella* Rag.—Western Mediterranean?—E: Setúbal. July.
467. *Euzophera pinguis* Hw.—European.—E: Torres Vedras. July.
468. *Euzophera polyxenella* Mill.—Western Mediterranean.—BB: Ponte de Marcellos. June.
469. *Asarta nigrella* Hampson.—Iberian.—BB: Serra da Estrêla. July.
470. *Asartodes monspessulalis* Dup.—Western Mediterranean.—BB: Serra da Estrêla. July.—f. *rubricosella* Stgr.—T: NW of Vila Real 2480'. Late June. According to Ragonot (1880–1881, Entom. Monthly Mag., 17, p. 230–231) *rubricosella* is not a form of *monspessulalis*, but a valid species.
471. *Etiella zinckenella* Tr.—Tropico-Holarctic.—BB: S. Fiel. April–June. August. October.—E: Campolide. Setúbal. July–August.
472. *Epischnia prodromella* Hbn.—Mediterranean.—BB: Quinta dos Carvalhos. Early September. S. Fiel. August.
473. *Epischnia illotella* Z.—European.—E: Setúbal. August.—Alg: Silves. May.
474. *Alophia combustella* H.S.—Ponto-Mediterranean.—E: Setúbal. September.
475. *Salebria palumbella* F.—European.—M: Guimarães. May.—BB: S. Fiel. April–May; August–September.—E: Setúbal. June–July.
476. *Salebria obductella* Z.—European.—BB: Matta do Fundão. July.—Larva in June.—Foodplant: *Origanum vulgare* L.
477. *Salebria semirubella* Sc. and f. *sanguinella* Hbn.—Euro-

pean.—M: Gerez. Guimarães. June. BB: Serra da Estrêla. June. August. Serra da Guardunha. June. August.—E: Setúbal. August.

478. *Salebria venustella* Rag.—Western Mediterranean?—BB: S. Fiel.—E: Setúbal. July.

479. *Nephoptyx geminella* Ev.—European?—BB: Serra da Guardunha. May–August.

480. *Nephoteryx genistella* Dup.—Atlantic.—E: Torres Vedras. End of June.

481. *Nephoptyx similella* Zk.—European.—BB: S. Fiel. May.

482. *Dioryctria abietella* F.—European.—BB: S. Fiel. September.

483. *Dioryctria pineæ* Stgr.—Western Mediterranean.—BB: S. Fiel. October.

484. *Phycita spissicella* F.—European.—BB: S. Fiel.

485. *Acrobasis obliqua* Z.—Mediterranean.—BB: S. Fiel. April–June.—E: Campolide. Santa Cruz. April–May. Setúbal. August. Torres Vedras. April–May.

486. *Acrobasis porphyrella* Dup.—Western Mediterranean.—E: Campolide. Torres Vedras. June. Abundant.

487. *Acrobasis glaucella* Stgr.—Mediterranean.—E: Santa Cruz. April. Setúbal. June–July.

488. *Acrobasis bithynella* Z.—Mediterranean?—E: Setúbal. September–October.

489. *Acrobasis romanella* Mill.—Western Mediterranean?—E: Setúbal. September–October.

490. *Acrobasis consociella* Hbn.—European.—E: Estoril. May. Val de Rosal.—Larva in April.—Foodplant: *Quercus lusitanica* Lam.

491. *Acrobasis glycerella* Stgr.—Mediterranean?—Ale: Almodóvar. May.

492. *Rhodophaea marmorea* Hw.—European.—BB: S. Fiel. June.—E: Setúbal. June.—Larva in May.—Foodplant: *Craetagus monogyna* Jacq.

493. *Myelois cribrella* Hbn.—Euroriental.—E: Setúbal. May.

494. *Myelois crudella* Z.—European?—Recorded by Seebold without definite locality.

495. *Cryptoblabe gnidiella* Mill.—Mediterranean.—E: Setúbal. August.
496. *Endotricha flammealis* Schiff.—Euroriental.—M: Gerez, Guimarães.—BB: Matta do Fundão. June. Monte de S. José. June. Ribeira da Ocreza. August.—E: Batalha. August. Campolide. Lisboa. July. S. Amaro. May. Setúbal. September. Torres Vedras. June–July. Common.
497. *Ulotricha egregialis* H.S.—Mediterranean.—E: Setúbal. June.
498. *Aglossa pingualis* L.—Euro-Pacific.—M: Guimarães.—BB: S. Fiel. May; September.—E: Setúbal. June.
499. *Aglossa cuprealis* Hbn.—Holarctic.—M: Gerez.—BB: S. Fiel. June–July.—E: Setúbal. May–June. Torres Vedras. July.
500. *Hypsopygia costalis* F.—Holarctic.—BB: S. Fiel. June.—E: Setúbal. September.
501. *Pyralis obsoletalis* Mn.—Mediterranean.—BB: S. Fiel. May–June.—E: Campolide, Torres Vedras. July.
502. *Pyralis farinalis* L.—Holarctic.—M: Guimarães.—BB: S. Fiel. June.—E: Campolide, Lisboa. July. Very small specimen. Wingspread 15 mm. Setúbal. Very common. Torres Vedras. April. June–July.—Alg: Silves. May.
503. *Stematophora combustalis* F.—Mediterranean.—BB: S. Fiel.—E: Torres Vedras. July.
504. *Herculia glaucinalis* L.—European.—BB: S. Fiel. June. August.—E: Torres Vedras. June.
505. *Herculia fulvociliialis* Dup.—Mediterranean.—BB: Quinta dos Carvalhos. September.
- 506.—*Actenia brunnealis* Tr.—European.—M: Guimarães. August.—BB: Covilhã. August.
507. *Actenia borgialis* Dup.—Western Mediterranean.—BB: Serra da Guardunha. June–August.—E: Setúbal. July.
508. *Cledeobia moldavica* Esp.—Mediterranean.—Ale: Almodóvar. May.—f. *diffidialis* Gn.—T: Vila Real. Late June.—BB: Serra da Guardunha. May.—E: Torres Vedras. June–July.
509. *Cledeobia morbidalis* Gn.—Mediterranean?—June. Recorded by Seebold without definite locality.
510. *Cledeobia angustalis* Schiff.—European.—M: Guimarães.

—BL: Condeixa. August.—BB: S. Fiel. July–August.—E: Setúbal. July. Torres Vedras.

511. *Nymphula fluctuosalis* Z.—Mediterranean?—E: Setúbal.

512. *Stenia bruguieralis* Dup.—Mediterranean.—May. Recorded by Seebold without definite locality.

513. *Stenia punctalis* Schiff.—European?—E: Setúbal. June.

514. *Stenia fuscociliaris* Rag. (1880–1881, Entom. Monthly Mag., 17, p. 230).—Endemic.—Alg: São Bartolomeu de Messines (locality of the paratype). May. Silves (locality of the holotype). May.

515. *Stenia flavipunctalis* Hmps.—Mediterranean?—BB: Pardanta. May.—E: Torres Vedras. June. Val de Rosal. April.

516. *Scoparia pyrenæalis* Dup.—Mediterranean.—BB: Matta do Fundão.

517. *Scoparia lineola* Curt.—Atlantic.—E: Campolide, Torres Vedras. June.

518. *Scoparia resinea* Hw.—European.—M: Guimarães. August.—BB: Matta do Fundão. June.—E: Campolide, Setúbal. June.

519. *Scoparia cratægella* Hbn.—Euroriental.—BB: S. Fiel.—E: Torres Vedras. End of June.

520. *Scoparia frequentella* Stt.—European.—M: Guimarães. August. December. January.—T: Vila Real. June.—BB: S. Fiel. From late October on during the entire winter.—E: Setúbal. June–July. Torres Vedras. July. November.

521. *Scoparia angustea* Stph.—Mediterranean.—M: Guimarães.—BB: S. Fiel. April. June.—E: Alcantara. April. Setúbal. March. Torres Vedras. Early January.

522. *Ercta ornatalis* Dup.—Mediterranean.—BB: Quinta dos Carvalhos. September.—E: Campolide.

523. *Agrotera nemoralis* Sc.—European.—M: Guimarães. August.

524. *Sylepta ruralis* Sc.—European.—M: Guimarães.—BB: S. Fiel. June.

525. *Glyphodes unionalis* Hbn.—Tropical.—M: Guimarães.—BL: Condeixa. August.—BB: S. Fiel. June–September. November.—E: Campolide. Estoril. November. Lisbon. September. Oeiras. September. Setúbal. March–August.

526. *Hellula undalis* F.—Tropico-Holarctic.—BL: Condeixa. August.—BB: S. Fiel. June.
527. *Euergestis frumentalis* L.—Euroriental.—BB: S. Fiel. April–May.
528. *Euergestis politalis* Schiff.—European.—BB: S. Fiel. April–June.—E: Setúbal. May.
529. *Nomophila noctuella* Schiff.—Tropico-Holarctic.—M: Guimarães.—BB: S. Fiel. April–September.—E: Campolide, Oeiras. June. Setúbal. Very common. Sintra. Late May. Torres Vedras. July.
530. *Phlyctanodes palealis* Schiff.—European.—E: Setúbal. May–July.
531. *Phlyctanodes nudalis* Hbn.—Mediterranean.—E: Setúbal. July.
532. *Diasemia litterata* Sc.—Euroriental.—M: Gerez.—BB: Pardanta, S. Fiel. April–May. July.—E: Setúbal. May.
533. *Diasemia ramburialis* Dup.—Tropico-Holarctic.—BL: Condeixa. Rare.—BB: S. Fiel. May; late October.—E: Setúbal. May–August. Torres Vedras. July.
534. *Antigastra catalaunalis* Dup.—Tropico-Holarctic.—BB: S. Fiel.—E: Setúbal. End of June.
535. *Mecyna polygonalis* Hbn.—Euroriental.—BB: S. Fiel. July–September.—E: Campolide. Setúbal. August. Torres Vedras. July.—f. *gilvata* F.—E: Praia das Maças.—f. *meridionalis* Wk.—BB: S. Fiel. July–September.—f. *extinctalis* Stgr.—Recorded by Seebold without definite locality.
536. *Cynæda dentalis* Schiff.—Euroriental.—BB: S. Fiel. June.—Larva in April–May.—Foodplant: *Echium broteri* Samp. (*lusitanicum* Brot.).
537. *Titanio pollinalis* Schiff.—Holarctic.—M: Guimarães. May.—BB: Castellejo, S. Fiel. May.—E: Santa Cruz. April.—f. *guttulalis* H.S.—M: Guimarães.—BB: Ceia. June.—E: Setúbal. July.
538. *Titanio schrankiana* Hochenw.—Boreo-Alpine.—BB: Serra da Estrêla. July.
539. *Titanio sericatalis* H.S.—European?—BB: Serra da Estrêla. July.
540. *Metasia suppandalis* Hbn.—Mediterranean.—E: Setúbal. August–September.

541. *Metasia cuencalis* Rag.—Mediterranean?—E: Torres Vedras. End of July. Abundant.

542. *Metasia ibericalis* Rag.—Iberian?—BL: Lousã. July.

543. *Pionea ferrugalis* Hbn.—Euroriental.—M: Guimarães.—BL: Condeixa. August.—BB: S. Fiel. May. August. October–November.—E: Campolide. Capuchos. August. Estoril. February–April. June. October. Common. Oeiras. May. August–September. Setúbal. Common during the entire year. Torres Vedras. January.—Alg: Silves. May.

544. *Pionea silvalis* Joannis.—Mediterranean.—BL: Lousã.—BB: Portas do Ródam, Soalheira. May.

545. *Pionea verbascalis* Schiff.—Euroriental.—M: Guimarães.—BB: S. Fiel. June.

546. *Pionea forficalis* L.—European.—M: Guimarães.

547. *Pionea numeralis* Hbn.—Mediterranean.—E: Setúbal. July. Torres Vedras. June–July.

548. *Pyrausta repandalis* Schiff.—European.—BB: S. Fiel. May.

549. *Pyrausta nubilalis* Hbn.—European.—M: Guimarães.—BL: Condeixa. August.—BB: S. Fiel. May–August.—E: Campolide. Setúbal. June–July.—Foodplants: *Zea mais* L. and *Panicum miliaceum* L.

550. *Pyrausta asinalis* Hbn.—Mediterranean.—E: Campolide. Parque da Pena near Sintra. April. Setúbal. June. Torres Vedras. June.

551. *Pyrausta scutalis* Hbn.—Western Mediterranean.—E: Setúbal. Val de Rosal. April. Very abundant.

552. *Pyrausta cespitalis* Schiff.—European.—M: Guimarães.—BB: S. Fiel. August.—E: Batalha. August. Torres Vedras. July.—f. *intermedialis* Dup.—Recorded by Seebold without definite locality.

553. *Pyrausta sanguinalis* L.—Euroriental.—BB: S. Fiel. April; July.—E: Campolide. Santa Cruz. April. Setúbal. Very common. Val de Rosal. April.—f. *hamatalis* Hbn.—Recorded by Seebold without definite locality.

554. *Pyrausta purpuralis* L.—Euroriental.—M: Guimarães. August.—BB: Castelo Novo. June.—E: Torres Vedras. End of July.

555. *Pyrausta aurata* Sc.—European.—BB: S. Fiel. March.—E: Batalha. August. Campolide. Estoril. July. Oeiras. June. Setúbal. May–July. Torres Vedras. May–July.—Alg: Silves. May.—f. *meridionalis* Stgr.—BB: S. Fiel. June–July.

556. *Pyrausta albofascialis minutalis* Spr.—European.—E: Val de Rosal. April. Common.

557. *Pyrausta acontialis* Stgr.—Mediterranean?—BB: S. Fiel. April. On *Lavandula stæchas* L.—E: Setúbal. Val de Rosal. April.

558. *Noctuella floralis stygialis* Tr.—Mediterranean.—Recorded by Seebold without definite locality.

559. *Noctuella isatidalis* Dup.—Mediterranean.—BB: S. Fiel. March.

560. *Eurycreon consortalis* H.S.—European?—Recorded by Seebold without definite locality.

THYRIDIDÆ

561. *Thyris fenestrella* Sc.—Euro-Pacific.—M: Vizela. July.

ZYGÆNIDÆ

562. *Procris tenuicornis* Z.—European.—BB: Castelo Novo. May.

563. *Procris globulariæ notata* Z.—Euroriental.—BB: Soalheira. May.

564. *Procris statices* L.—Euroriental.—BB: Soalheira. May–June.

— *Zygæna scabiosæ nevadensis* Rbr.—Euroriental.—BB: Matta do Fundão. Late May. Specimens collected by Mendes were considered by J. de Joannis as doubtfully belonging to this form.

565. *Zygæna trifolii syracusiæ* Z.—Euroriental.—M: Caldelas. Common. Gerez, Guimarães.

566. *Zygæna loniceræ* Scheven.—Euroriental.—BB: Matta do Fundão. June. S. Fiel. Senhora da Orada. May.—f. *lusitanicæ-mixta* Verity (1930, Mem. Soc. Entom. Ital., 9, p. 25).—BB: Serra da Estrêla. 800–1500 m. (type locality). Middle of June. Verity assumes that this race is a transition between *Zygæna loniceræ* Scheven and *Zygæna trifolii* Esp.

LIMACODIDÆ

567. *Cochlidion limacodes* Hufn.—Euroriental.—M: Caldelas. August. Rare. Gerez. May. Vizela. June.—E: Setúbal.

GEOMETRIDÆ

568. *Aplasta onoraria* Fuesl.—Euroriental.—BB: Matta do Fundão, Quinta dos Fornos, on *Ononis spinosa*. July.—E: Setúbal. July.—f. *facataria* Hon.—BB: Matta do Fundão, Quinta dos Fornos, on *Ononis spinosa*. July.

569. *Odezia atrata* L.—Euroriental.—BB: Matta do Fundão. June.

570. *Pseudoterpna coronillaria* Hbn.—Mediterranean.—M: Caldelas. July–August. Guimarães. Vizela. May–June. August. October.—BB: S. Fiel. May; September.—E: Setúbal. June–July.—Larva in February–March.—Foodplant: *Adenocarpus intermedius* D.C.

571. *Comibæna pustulata* Hufn.—Euroriental.—BB: Monte de S. José. June. On *Quercus* sp.

572. *Hemithea æstivaria* Hbn.—Euro-Pacific.—M: Vizela. June.

573. *Chlorissa viridata* L.—Euroriental.—M: Caldelas. July–August. Gerez. Vizela. May–June. August.

574. *Chlorissa cloraria* Hbn. (*porrinata* Z.).—Mediterranean.—M: Salamonde. Late June.

575. *Chlorissa pulmentaria* Guen.—Euroriental.—BB: S. Fiel. May–June; September–October.—E: Setúbal. June.

576. *Chlorissa faustinata* Mill.—Mediterranean.—BB: S. Fiel.—Torres Vedras. October.

577. *Microloxia herbaria* Hbn.—Mediterranean.—BB: S. Fiel. June–July; September.—E: Setúbal. June–July. Torres Vedras. May.

578. *Hemistola chrysoprasaria* Esp. (*vernaria* Hbn.).—Euroriental.—E: Setúbal. July.

579. *Iodis lactearia* L.—Euro-Pacific.—M: Caldelas. August. Rare. Vizela. June. August.

580. *Xenochlorodes beryllaria* Mn.—Mediterranean.—M: Caldelas. July.—E: Torres Vedras. July.

581. *Rhodostrophia calabra* Petagna (*calabraria* Z.).—Medi-

terranean.—M: Gerez. Very common by daylight. Vizela. May–June.—BB: S. Fiel. May–June.—E: Setúbal. May–June. Torres Vedras. June.—f. *tabidaria* Z.—M: Guimarães.

582. *Rhodostrophia sicanaria* Z.—Western Mediterranean.—BL: Coimbra. June.

583. *Timandra amata* L.—Euro-Pacific.—M: Caldelas. July–August. Gerez, Guimarães, Vizela. May–June.—BL: Condeixa. August.—BB: S. Fiel. April; July–September.—E: Setúbal. July. Torres Vedras.

— *Acidalia rubellata* Rbr.—Iberian.—BB: S. Fiel. May–July; end of August–September. Larva in May–July; September–October. Foodplant: *Polygonum aviculare* L. This species is recorded only by Mendes, who considers it as synonym of *Acidalia beckeraria* Ld., which is wrong.

584. *Acidalia rubiginata* Hufn.—Euroriental.—M: Caldelas, Gerez. May. Guimarães. May–June. The groundcolor of the wings of most specimens is dark brownish red, only one specimen has lighter ground color. Vizela. June.—T: Vila Real. June.

585. *Acidalia turbidaria* Hbn.—Mediterranean.—BL: Lousã. July.—E: Setúbal. August–September.

— *Acidalia minorata* Bdv. (*consentanea* Wlk.).—Tropical.—BB: S. Fiel.—E: Setúbal. August–September.—Prout suggests (in Seitz, 16, p. 73) that this Ethiopian species may be conspecific with *Acidalia ochroleucata* H.S. (Mediterranean).

586. *Acidalia marginepunctata* Goeze.—Euroriental.—M: Caldelas. July–August. Guimarães.—BB: S. Fiel. April–June; September–October.—E: Campolide. Setúbal. March–July. Torres Vedras. March. July.

587. *Acidalia submutata* Tr.—Mediterranean.—M: Gerez. May.—BB: S. Fiel. June–July.—E: Setúbal. June–August.

588. *Acidalia nigropunctata* Hufn. (*strigularia* Hbn.).—Euroriental.—M: Caldelas. August–September. Gerez. May at light. Guimarães. Vizela. June. Rare.

589. *Acidalia emutaria* Hbn.—European.—M: Guimarães. August. Vizela. June.—BB: S. Fiel. May–July.—E: Setúbal. September. Torres Vedras. July.

590. *Acidalia imitaria* Hbn.—Euroriental.—M: Caldelas. July. Gerez. At light. Guimarães. May. Vizela. May–June.

August.—BB: S. Fiel. April–June; September–October.—E: Setúbal. April–July. Torres Vedras. March–June.

591. *Acidalia ornata* Sc.—Euro-Pacific.—BL: Condeixa. August.—BB: Covilhã, Monte de S. José, S. Fiel. May; August–September.—E: Campolide, Oeiras. April. June. August. Setúbal. April–July. Torres Vedras. March; July.—f. *badiaria* Sgtr.—E: Torres Vedras. December.—f. *gyrata* Hbn.—E: Torres Vedras. March.—f. *nolaria* Hbn.—E: Torres Vedras. July.

592. *Acidalia decorata violata* Thnbg.—Euroriental.—BB: Quinta do Ribeiro Negro. August. S. Fiel. June.—Larva in May. Foodplant: *Thymus serpyllum* L.

593. *Glossotrophia rufomixtata* Rbr.—Western Mediterranean.—BB: S. Fiel.

594. *Anthometra plumularia* Bdv.—Western Mediterranean.—BB: Ponte de Morcellos. June. Serra da Guardunha. June.

595. *Clete ramosaria* Vill. (*vittaria* Hbn.).—Western Mediterranean.—E: Oeiras. April–May. Sintra. April.

596. *Ptychopoda ochrata* Sc.—Euroriental.—M: Caldelas. July. Vizela. June.—BB: S. Fiel. June.—E: Setúbal. June. August. Torres Vedras. July.

597. *Ptychopoda rufaria* Hbn.—Euroriental.—E: Estoril. June. Oeiras. June.

598. *Ptychopoda consanguinaria* Ld.—Mediterranean.—M: Gerez. May. Vizela. May–June. August.—BB: Covilhã, S. Fiel. May–July; September.—E: Setúbal.

599. *Ptychopoda macilentaria* H.S.—European.—M: Guimarães.—BB: Monte de S. José. June.

600. *Ptychopoda litigiosaria* Bdv.—Western Mediterranean.—BB: Monte de S. José. June.

601. *Ptychopoda lambessata* Obth.—Western Mediterranean.—BB: S. Fiel.

602. *Ptychopoda sericeata* Hbn.—Euroriental.—BB: S. Fiel. June.—E: Setúbal.

603. *Ptychopoda moniliata* Schiff.—Euroriental.—M: Caldelas. July.—BB: Matta do Fundão. June.—E: Torres Vedras. June.

604. *Ptychopoda nexata* Hbn.—Western Mediterranean.—E:

Santa Cruz. April. Setúbal. April-May. Val de Rosal. April. Very common.—Ale: Almodóvar. May.

605. *Ptychopoda serpentata* Hufn.—Euroriental.—M: Caldelas. July. Vizela. June.

606. *Ptychopoda dimidiata* Hufn.—Euroriental.—M: Caldelas. July. Vizela. June. Rare.

607. *Ptychopoda subsaturata* Guen.—Western Mediterranean.—E: Torres Vedras. End of June-July.

608. *Ptychopoda eburnata* Wocke. (*contiguaria* Hbn.).—European.—M: Caldelas. July-August. Common. Gerez. July. At light. Guimarães. May. Vizela. June; October.—BB: S. Fiel. May; September.—E: Setúbal. June-July. Torres Vedras. June.

609. *Ptychopoda incisaria* Stgr.—Western Mediterranean.—M: Vizela. June.—Alg: (type locality, collected by Korb).

610. *Ptychopoda camparia* H.S.—Mediterranean.—E: Olivais. April.

611. *Ptychopoda sodaliaria* H.S.—Mediterranean.—E: Setúbal. May-June.

612. *Ptychopoda seriata* Schrank. (*virgularia* Hbn.).—European.—BB: Ponte de Morcellos. June. S. Fiel. June.—Lisboa. April. Setúbal. April-July.—f. *australis* Z. (*canteneraria* Mill., nec Bdv.).—E: Sintra. April. At light. Torres Vedras. End of February-April.—f. *canteneraria* Bdv.—M: Caldelas. July.—E: Torres Vedras. June-end of July.

613. *Ptychopoda longaria* H.S.—Western Mediterranean.—BB: S. Fiel. May; September-October.—Larva in May-August; October-end of April. Foodplant: *Polygonum aviculare* L.

614. *Ptychopoda subsericeata* Hw.—Euroriental.—M: Caldelas. July. Guimarães. Vizela. June.—BB: S. Fiel. April. June.—E: Setúbal. April-June. Torres Vedras. May. Val de Rosal. April.

615. *Ptychopoda laevigata* Sc.—Euroriental.—BB: S. Fiel. July.

616. *Ptychopoda extarsaria eriopodata* Grasl.—Western Mediterranean.—E: Torres Vedras. July.

617. *Ptychopoda infirmaria* Rbr.—Western Mediterranean.—BB: Covilhã. August. Serra da Guardunha. June-July.—E:

Setúbal. July. Torres Vedras. July.—f. *aquitanaria* Const.—BB: Covilhã. August. Serra da Guardunha. June–July.—E: Torres Vedras. July.

618. *Ptychopoda obsoletaria* Rbr.—Mediterranean.—BB: S. Fiel. June.

619. *Ptychopoda incarnaria* H.S.—Mediterranean.—E: Setúbal. July. October.—f. *ruficostata* Z.—BB: S. Fiel. October.

620. *Ptychopoda eugenjata* Mill.—Western Mediterranean.—M: Gerez.—Setúbal. April. June–July. Sintra. April. At light. Torres Vedras. End of July.

621. *Ptychopoda helianthemiata* Mill.—Western Mediterranean.—BB: S. Fiel.

622. *Ptychopoda ostrinaria* Hbn.—Western Mediterranean.—M: Caldelas. July. Rare. Vizela. June. Rare.—BB: Matta do Fundão. July. S. Fiel. June.—E: Setúbal. June. Torres Vedras. End of June–July.—Alg: no definite locality.

623. *Ptychopoda circuitaria* Hbn.—Mediterranean.—E: Setúbal. April–July.

624. *Ptychopoda herbariata* F.—Euroriental.—BB: S. Fiel. May–June.—E: Setúbal. November.

625. *Ptychopoda calunetaria* Stgr.—Western Mediterranean.—M: Caldelas. July.

626. *Ptychopoda elongaria* Rbr.—Mediterranean.—BL: Condeixa. August.—BB: Covilhã. August.—E: Campolide. Very abundant. Setúbal. Torres Vedras. July.

627. *Ptychopoda biselata* Hufn.—Euroriental.—M: Caldelas. July–August.

628. *Ptychopoda belemiata* Mill.—Iberian.—BB: S. Fiel. July–August.—E: Torres Vedras. End of July.

629. *Ptychopoda politata* Hbn.—Mediterranean.—E: Torres Vedras. July.

630. *Ptychopoda rusticata* Schiff.—Euroriental.—M: Caldelas. July–August.—BB: S. Fiel. July.—E: Campolide. Setúbal. August.—f. *mustelata* Rbr.—M: Vizela. June.

631. *Ptychopoda robiginata* Stgr.—Atlantic.—M: Caldelas.

632. *Ptychopoda lutulentaria* Stgr. and f. *aurata* Mendes (1912, Brotéria, Série zoológica, 10, p. 175, pl. 3, figs. 18–20).—Iberian.—M: Guimarães. June.—BB: Matta do Fundão, Monte

de S. José, Soalheira. June–July.—E: Estoril. June. Oeiras. June. Torres Vedras. June.—Larva in May–June. Foodplant: *Sarothamnus patens* Webb.

633. *Ptychopoda dilutaria* Hbn.—Mediterranean.—M: Caldelas. July.

634. *Ptychopoda fuscovenosa* Goeze. (*interjectaria* Bdv.).—Euroriental.—M: Gerez. August. At light. Guimarães. June. Vizela. June.—BB: Matta do Fundão. July. Monte de S. José, Soalheira. June.—E: Setúbal. May–August. Very common. Torres Vedras. June–July. Very abundant.

635. *Ptychopoda humiliata* Hufn.—Euroriental.—E: Setúbal. June–July.

636. *Ptychopoda degeneraria* Hbn.—Euroriental.—M: Caldelas. June–August. Common. Vizela. May–June. August. Common.—BB: S. Fiel. May–June.—E: Setúbal. June–July.

637. *Ptychopoda inornata* Hw.—European.—BB: S. Fiel.

638. *Ptychopoda deversaria* H.S.—Euroriental.—BB: Matta do Fundão. June.

639. *Ptychopoda aversata* L.—Euroriental.—M: Caldelas. July. Rare. Vizela. June. Only one specimen.—f. *remutata* L.—Caldelas. June–July. More frequent than the nomotypical form. Vizela. May–June. August. Very abundant.

640. *Ptychopoda emarginata* L.—Euroriental.—M: Guimarães.

641. *Cosymbia pendularia linearis* Lamb.—Euroriental.—M: Gerez. May.

642. *Cosymbia albiocellaria* Hbn.—Euroriental.—M: Vizela. May.

643. *Cosymbia pupillaria* Hbn.—Mediterranean.—M: Caldelas. July. Vizela. May.—BL: Condeixa. September.—BB: S. Fiel. April–July. Serra da Estrêla. August.—E: Campolide. Setúbal. June–August.—Alg: Silves. May.—f. *badiaria* Stgr.—M: Caldelas. July.—f. *gyrata* Hbn.—M: Caldelas. August.—BB: S. Fiel. April–July. Serra da Estrêla. August.—E: Setúbal. July. Sintra. April.—f. *nolaria* Hbn.—BB: S. Fiel. April–July. Serra da Estrêla. August.

644. *Cosymbia porata* F.—Euroriental.—M: Caldelas. July–August. Gerez. May.—BB: S. Fiel.—E: Torres Vedras. July.

645. *Cosymbia punctaria* L.—Euroriental.—M: Caldelas.

July–August. Gerez. June. Guimarães. Vizela. June. August.—BB: Soalheira. June.

646. *Cosymbia linearia* Hbn.—Euroriental.—M: Vizela. May.—BB: Castelo Novo, Soalheira. April. June.

647. *Rhometra sacraria* L.—Tropical.—M: Caldelas. August. Guimarães.—BL: Condeixa. August.—BB: S. Fiel. June–August.—E: Campolide. Estoril. August. Oeiras. September. A female has the bright pink line from apex to hindmargin of the forewings almost obsolete. Setúbal. July–October. Torres Vedras. July.—f. *labda* Cram. (*atrifasciaria* Stefan.).—M: Vizela. October.—BB: Lourical do Campo. November.—E: Setúbal. September–October.—f. *sanguinaria* Esp.—BB: S. Fiel. October.—E: Lisboa. November. Setúbal. September.

648. *Lythria purpurata sanguinaria* Dup.—European.—M: Gerez. May. Guimarães. May. Vizela. June. August.—BB: S. Fiel. May–June.—E: Setúbal. April–May.—gen. vern. *vernalis* Stgr.—T: Vila Real.—BB: S. Fiel, Serra da Guardunha. February–March; September–October.—E: Setúbal. May; September–October. The first brood of early spring has the same wingpattern as the third brood which emerges in late fall.—f. *rotaria* F.—M: Caldelas. July.

649. *Larentia clavaria* Hw. (*cervinata* Schiff.).—Euroriental.—BB: S. Fiel.

650. *Ortholitha mucronata* Sc. (*plumbaria* F.).—Euroriental.—M: Gerez. Common.—E: Santa Cruz. April.

651. *Ortholitha chenopodiata* L. (*limitata* Sc., *mensuraria* Schiff.).—Euro-Pacific.—BB: Ponte de Morecellos. June.

652. *Ortholitha peribolata* Hbn.—Western Mediterranean?—BB: S. Fiel. September–October.—E: Setúbal. September–October. Common. Torres Vedras. July.

653. *Anaitis plagiata* L.—Euroriental.—M: Caldelas. July. Gerez. Common. Guimarães. June. Vizela. May–June; August.—BB: S. Fiel. April; July–November.—E: Setúbal. February–April. Sintra. April. Torres Vedras. June–July.—Larva in June. Foodplant: *Hypericum undulatum* Schousb.

654. *Chesias legatella* Schiff. (*spartiata* Herbst).—European.—M: Vizela. May. June.—BB: S. Fiel. March; October–November.—Larva in March–April. Foodplant: *Cytisus albus* Lk.

655. *Chesias rufata* F.—Euroriental.—M: Caldelas. August.—BB: S. Fiel. March.—E: Sintra. April.—f. *linogrisearia* Const.—E: Val de Rosal. April.

656. *Lygris populata dotata* L.—Euro-Pacific.—BB: Matta do Fundão. July.

657. *Cidaria ocellata* L.—Euroriental.—M: Caldelas. July–August. Gerez. Vizela. June. August. October.—BB: Matta do Fundão. June.

658. *Cidaria miata* L.—Euroriental.—BB: S. Fiel.

659. *Cidaria fluctuata* Hbn.—Euroriental.—M: Caldelas. July–August. Gerez. May. Guimarães. February. Vizela. June.—BB: S. Fiel. March–April; November–December.—E: Campolide. Setúbal. March. Sintra. April. Torres Vedras. January–April.

660. *Cidaria ferrugata* Cl.—Holarctic.—M: Caldelas. July–August. Gerez. May.—f. *unidentaria* Haw.—M: Caldelas. July–August. Guimarães. February. Vizela. June. Rare.

661. *Cidaria obstipata* F. (*fluviata* Hbn.).—Tropico-Holarctic.—M: Gerez. June. Guimarães. Vizela. June. August. Rare.—BB: S. Fiel. April. June–July. September.—E: Lisboa. June. Santa Cruz. End of April. Setúbal. February–June.

662. *Cidaria pectinaria* Knoch. (*viridaria* F.).—Euroriental.—M: Gerez. On sugar. Rare. Vizela. May–June.—BB: Matta do Fundão. End of May.

663. *Cidaria salicata* Hbn.—Euroriental.—BB: S. Fiel. May.—E: Setúbal.

664. *Cidaria flavolineata* Stgr.—Iberian.—BB: Serra da Gardunha. September. On rocks turned toward the north.

665. *Cidaria multistrigaria* Haw.—Atlantic.—E: Setúbal. March.

666. *Cidaria cæruleata* Guen.—Western Mediterranean.—BB: Serra da Estrêla. August.

667. *Cidaria alfaciata* Rbr. (*ibericata* Stgr.).—Mediterranean.—E: Setúbal.

668. *Cidaria malvata* Rbr.—Western Mediterranean.—E: Setúbal. October.

669. *Cidaria cupreata* H.S.—Mediterranean.—E: Sintra. April. At light.

670. *Cidaria basochesiata* Dup.—Western Mediterranean.—E: Setúbal. February–March. Torres Vedras. January. At light.

671. *Cidaria bilineata* L.—Euroriental.—M: Caldelas. August. Gerez. Guimarães. Vizela. June. August.—BL: Coimbra. June. Condeixa. August.—BB: Matta do Fundão. May–July.—E: Setúbal. May–September. Torres Vedras. Very common.—f. *infuscata* Gmpbg.—BB: Matta do Fundão. May–July.—f. *testaceolata* Stgr.—M: Vizela. May–June.—BB: Matta do Fundão. May–July.—E: Setúbal. May–September.

672. *Cidaria polygrammata* Bkh.—Euroriental.—BB: S. Fiel.—E: Setúbal. January–November. Torres Vedras. January.

673. *Cidaria galiata* Schiff.—Euroriental.—M: Gerez. Vizela. May–June. October.

674. *Cidaria alternata* Müll. (*sociata* Bkh.).—Holarctic.—M: Gerez. May. Guimarães.—BB: Matta do Fundão. June. Serra da Estrêla. July.

675. *Cidaria bifasciata unifasciata* Haw.—European.—E: Setúbal. October.

676. *Cidaria flavofasciata* Thnbg. (*decolorata* Hbn.).—European.—BL: Lousã. May.—E: Sintra. April.

677. *Cidaria ruberata* Frr.—Holarctic.—M: Vizela. June.

678. *Cataclysmes dissimilata* Rbr. (*uniformata* Bell.).—Western Mediterranean.—BB: S. Fiel.

679. *Eupithecia pulchellata* Steph.—Euroriental.—M: Caldelas. July. Vizela. June.—BB: S. Fiel. April–May.—E: Sintra. April.—Larva in June. Foodplant: *Digitalis thapsi* L.

680. *Eupithecia laquearia* H.S.—European.—E: Setúbal. May–June.

681. *Eupithecia liguriata* Mill. (*ræderaria* Stndf.).—Western Mediterranean.—BB: S. Fiel. May.

682. *Eupithecia venosata* F.—Euroriental.—BB: S. Fiel. April–May.

683. *Eupithecia centaureata* Schiff. (*oblongata* Thnbg.).—Euroriental.—M: Vizela. June. August.—BB: Ceia. June. S. Fiel. September.—E: Setúbal. September–October. Torres Vedras. May–July.

684. *Eupithecia gratiosata* H.S.—Mediterranean.—BB: S. Fiel. June.

685. *Eupithecia breviculata* Donz.—Mediterranean.—BB: S. Fiel.—E: Setúbal. June–July.

686. *Eupithecia scopariata* Rbr.—Mediterranean.—BB: Pardanta. May.—E: Sintra. April. Rare. Val de Rosal. April. Common.

687. *Eupithecia pimpinellata* Hbn.—Euroriental.—E: Torres Vedras. July.

688. *Eupithecia nanata* Hbn.—Holarctic.—BL: Condeixa. August.

689. *Eupithecia innotata* Hufn.—Euroriental.—M: Caldelas. July.—BB: S. Fiel. May.

690. *Eupithecia abbreviata* Steph.—Euroriental.—BB: S. Fiel. February.

691. *Eupithecia cocciferata* Mill. (*semitinctaria* Mab.).—Mediterranean.—BL: Lousã. February.—Larva in April–May. Food-plant: *Quercus ilex* L.

692. *Gymnoscelis pumilata* Hbn.—Euroriental.—M: Caldelas. August. Gerez. May. August. Guimarães. November–December. Vizela. June. October. Common.—BB: S. Fiel. February. April–July. November.—E: Campolide. Lisboa. June. December. Santa Cruz. April. Setúbal. May. July. October. Sintra. April. Torres Vedras. November–February; July. At light.—f. *parvularia* H.S.—BB: S. Fiel. July–August.—f. *tempestivata* Z.—BB: S. Fiel. February. April–July. November.

693. *Chloroclystis coronata* Hbn.—Euro-Pacific.—M: Caldelas. June–August.

694. *Abraxas grossulariata* L.—Euro-Pacific.—M: Gerez.

695. *Abraxas pantaria* L.—Mediterranean.—M: Guimarães. May. Vizela. August.—BB: S. Fiel. August.—E: Setúbal. September. Torres Vedras. August.

696. *Lomaspilis marginata* L.—Euro-Pacific.—M: Caldelas. July. Rare. Guimarães. Vizela. June. Rare.—f. *pollutaria* Hbn.—M: Caldelas. July–August. Gerez. August. Vizela. May–June.

697. *Bapta distinctata* H.S. (*pictaria* Curt.).—European.—BB: S. Fiel. March.—E: Torres Vedras. March.

698. *Bapta bimaculata subnotata* Warr.—Euro-Pacific.—M: Caldelas. July–August. Rare.

699. *Lomographa trimaculata* Vill.—Mediterranean.—M: Caldelas. July–August. Gerez. May. Guimarães. April. Vizela. May–June. August.—BB: S. Fiel. April–May; September.—E: Torres Vedras. April.—f. *cognataria* Led.—M: Caldelas. July–August. Vizela. August.—BB: S. Fiel. June. August.

700. *Cabera pusaria* L.—Euro-Pacific.—M: Caldelas. August. Rare. Gerez. August. Guimarães. Vizela. June. August.—BB: Matta do Fundão. May–June.

701. *Cabera exanthemata* Scop.—Euroriental.—M: Guimarães.

702. *Campaea margaritata* L.—Euroriental.—M: Gerez. May. Vizela. May–June. August. Rare.—BB: Matta do Fundão. June. S. Fiel. September.

703. *Campaea honoraria* Schiff.—European.—E: Sintra. April. Rare at light. Torres Vedras. July. Only two specimens.

704. *Ennomos quercinaria* Hufn.—Euroriental.—BB: S. Fiel. June.—E: Setúbal. September–October.

705. *Ennomos alniaria* L.—European.—BB: Castelo Novo. June.

706. *Ennomos fuscantaria* Haw.—European.—M: Caldelas. August. Rare.—BB: S. Fiel. June.—E: Setúbal. July.

707. *Ennomos erosaria* Schiff.—Euroriental.—BB: S. Fiel. Only one specimen.—Foodplant: *Quercus* sp.

708. *Selenia bilunaria* Esp.—Euro-Pacific.—M: Vizela. August.

709. *Colotois pennaria* L.—Euroriental.—M: Gerez. Only one specimen.—BB: S. Fiel. End of October. Apparently only stragglers of this species, which is so common in Central Europe and which does not seem to have been found anywhere else on the Iberian Peninsula.

710. *Crocallis tusciaria* Bkh.—Euroriental.—E: Setúbal. November.

711. *Crocallis elinguaris* L.—Euro-Pacific.—BB: Serra da Estrêla. August.

712. *Plagodis dolabraria* L.—Euro-Pacific.—M: Caldelas. June–August. Frequent. Gerez. May. Vizela. May. August.—BB: Covilhã. August. Matta do Fundão. May. Only one specimen recorded from each of the last two localities.

713. *Opisthographis luteolata* L.—Euroriental.—M: Gerez.

May. Vizela. May.—BL: Condeixa. August.—BB: Quinta do Ribeiro Negro, S. Fiel. August. Senhora da Orada. April.—E: Campolide. Setúbal. February. April. July. September. Torres Vedras. September.

714. *Pseudopanthera macularia* L.—Euroriental.—M: Gerez.—BB: Matta do Fundão. Early May.—E: Setúbal. April. Sintra. April.

715. *Ellicrinia cauteriata* Stgr.—Western Mediterranean.—E: Setúbal. February–March. Torres Vedras. March–April. In houses, abundant.—Foodplant: *Quercus coccifera* L.

716. *Macaria notata* L.—Euroriental.—M: Caldelas. July. Rare. Gerez. May.—BB: Matta do Fundão. August.—E: Setúbal. August.

717. *Erannis leucophaearia* Schiff.—Euro-Pacific.—BB: S. Fiel. February.—Larva in May. Foodplant: *Quercus toza* Bosc.

718. *Lycia hirtaria* Cl.—Euroriental.—M: Gerez. May.

719. *Biston strataria* Hufn.—Euroriental.—M: Gerez. May.

720. *Nychiodes obscuraria* Vill. (*lividaria* Hbn.).—Euroriental.—BB: Serra da Estrêla. End of August.

721. *Hemerophila japygiaria* Costa. (*fractaria* Stgr.).—Western Mediterranean.—BB: S. Fiel. April–July.—E: Campolide, Setúbal. April–May. July. Torres Vedras.—f. *fidensis* Mendes (1909, Brotéria, Série zoológica, 8, p. 72, pl. 13, figs. 1, 5, 6).—BB: S. Fiel (type locality).

722. *Hemerophila abruptaria* Thnbg.—Euroriental.—M: Caldelas. August. Gerez. May. Guimarães. June; December–January. Vizela. May–June; October. Very common.—BB: S. Fiel. April. July.—E: Setúbal. July–September. Sintra. April. Very common. Torres Vedras. January. April. June–July. At light.

(To be continued)